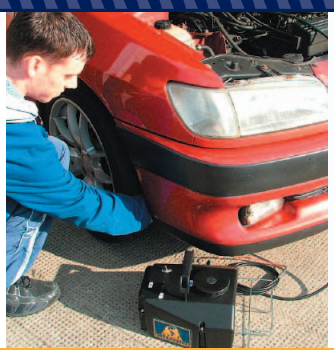
ALBA DIAGNOSTICS

PROFESSIONAL

GARAGE EQUIPMENT

CATALOGUE



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www.brakefluidtester.com

ALBA DIAGNOSTICS

COMPANY PROFILE

Alba Diagnostics Ltd was established in 1991, by Managing Director Stewart Whitton, to design & manufacture professional garage equipment.

The company developed from a two-person company with 3 products to become the manufacturer of the World's no 1 Brake Fluid Tester, offering a range of over 200 items of garage equipment. The company are acknowledged experts in the field of brake fluid test technology.

Alba manufacture & own brand for some of the largest brake, brake fluid and car manufacturers in the world such as Castrol, Delphi, Ford & Caltex. The company is an approved supplier to the Ford Service Equipment program. We export over 60% of our product, to 30 countries worldwide, including Japan & the USA.

In addition to our own manufactured goods, we import & distribute an ever-expanding range of products for the automotive aftermarket. Making use of our large warehousing facility and excellent communication links, we import & export on a world-wide basis.

We are happy to supply a sourcing service in addition to our standard range of tools & equipment.

Alba do not supply direct to the end user, only selling through & supporting our network of distributors.

At Alba, we aim to place ourselves as the No1 sourcing & supply company for the Automotive aftermarket.

BRAKE FLUID TESTING - A MAJOR OPPORTUNITY

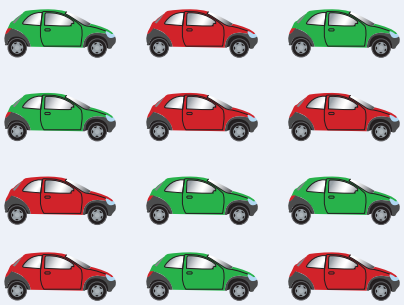
Brake fluid is designed to cope with & resist wide extremes of heat, cold & moisture contamination. It is also designed to protect the braking system from corrosion. Brake fluid is hygroscopic, which means it absorbs water. Over time, this results in brake fluid deterioration, and a lowering of the boiling point. This can lead to brake failure.

The most accurate way to check the boiling point of brake fluid is to use the Alba boiling point tester. Brake fluid should be checked and changed if the boiling point is below the minimum recommended temperature. We advise deducting 10% off the measurement obtained at the master cylinder as a safety margin because the temperature will always be approx 10% worse at the brake calliper.

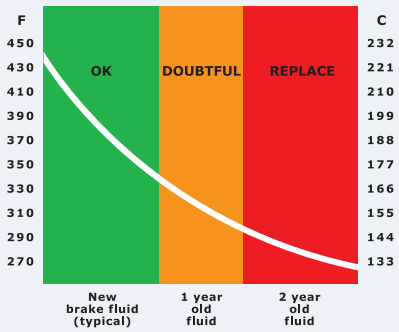
Testing & changing brake fluid is just as profitable as changing engine oil.
Test every car that comes through your garage. For example, 8 vehicles a day, of which 4 will need a brake fluid change. Not all customers will buy the service, so reduce that to 2 services a day:

Each service	Extra sales per week	Extra sales per year
30.95 per vehicle	480	24,000
49.95 per vehicle	600	30,000

FACT: About 1 in 2 vehicles have fluid that has absorbed too much moisture to be safe.



Moisture absorption reduces brake fluid's heat resistance



PRESSURE BRAKE BLEEDER

Manual brake bleeding traditionally requires 3 people: 1 to pump the brakes, 1 to collect the fluid at the wheel & 1 to top up the reservoir. The Alba pressure brake bleeder is a one-person operation, designed to bleed the entire system in 15 minutes. The Alba unit has its own integral pump & motor (powered by the car battery). This avoids the use of compressed air, which can lead to moisture contamination. Pressure is used as opposed to vacuum. Vacuum bleeders draw the fluid through the vehicle, with the potential risk of damage to valves etc. Unless refilling is monitored carefully, there is also the risk of air entering the braking system.

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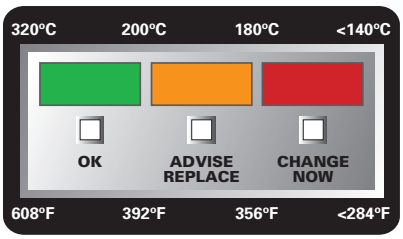
THE WORLD'S NO 1 BRAKE FLUID TESTER

- Boiling point tester - the only approved way to test brake fluid
- Approved by the world's leading brake and brake fluid manufacturers
- Accurate, reliable & repeatable results
- Operates off 12 volt supply - cars own battery
- Screen instructions available in 19 different languages (in degrees C & F), self-selectable by the user
- LCD leads operator through complete testing sequence
- Works in DOT3, 4, Super DOT4 & 5.1 brake fluids
- Available up to 320 C (608F) - suitable for use on new & racing brake fluids
- Will not operate if connected to the wrong polarity
- Backlit display
- EMC, RoHS, CE approved
- Own branding available



PART No. ALB1100

Brake Fluid Tester Options

Model No	Max Temp	Printer enabled
ALB1000	200°C/392°F	x
ALB1100	320°C/608°F	x
ALB1150	320°C/608°F	√
ALB1200	320°C/608°F	Unit complete with printer

PRINTER FOR USE WITH ALBA BRAKE FLUID TESTER

- Printer unit for use with ALB1150 & as supplied with ALB1200
- Printed report shows; Your company name (if the unit is own branded), brake fluid tester's unique serial no, battery voltage, test results in °C/°F & Alba change recommendations
- All you have to do is complete the date & vehicle registration number & hand it to your customer or attach to their service schedule/MOT test report.

PART No. ALB1200PTR

DIGITAL ELECTRONIC PRESSURE BRAKE BLEEDER (6 LITRE)

- Fast; full fluid change can be completed by a single operator in around 15 minutes, suitable for cars, LCV & HGV clutches
- Efficient; pressure bleeding is the only method approved by brake fluid manufacturers
- Versatile; fluid can be changed as well as bled
- Easy; operates off 12volt supply - cars own battery so allows use outside of workshop
- Fit for purpose; stainless steel construction & heavy duty pump
- Safe; no compressed air used, therefore no possibility of contamination of the fluid
- Adjustable, electronic pressure control valve, 0.5 to 4 bar, via digital keypad
- Constant pressure maintained via electronic control system
- Visible fluid level, with auto shut-off at minimum level, to ensure air cannot enter the system
- Waste fluid bottle with attaching chain, plus storage tray for tools & components
- ABS compatible
- Supplied with ALB30564B Master Cap Adapter Kit (includes ALB592B patented multi-vehicle cap)

PART No. ALB585

PRESSURE BRAKE BLEEDER (1.25 LITRE)

- Fast; full fluid change can be completed by a single operator in around 15 minutes,
- Efficient; pressure bleeding is the only method approved by brake fluid manufacturers
- Versatile; fluid can be changed as well as bled
- Easy; operates off 12volt supply - cars own battery
- Portable; weighs only 4 kilos & can be used in & outside workshop
- Safe; no compressed air used, therefore no possibility of contamination of the fluid
- Supplied with European cap adapter
- Fully compatible with ALB592B multivehicle cap & ALB30564 & ALB30564B cap adapter kits

Also available ALB560MVC; ALB560 complete with ALB30564B Master Cap Adapter Kit

PART No. ALB560

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TROLLEY BRAKE BLEEDER

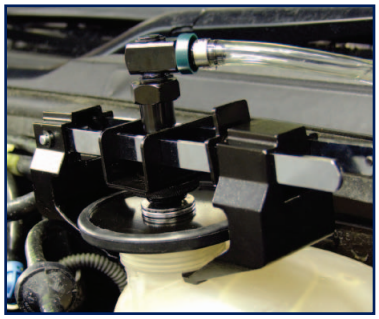
- Stainless steel construction
- Heavy duty peristaltic pump
- Operates of 12V supply (car battery)
- Adjustable pressure up to 2.5 BAR
- Complete with ALB30564 cap adapter kit
- 5 litre capacity
- Level indicator
- Recess for bleed bottle & tools
- Weight 13.5kgs
- Dimensions 830 x 330 x 290mm

PART No. ALB580

MULTI VEHICLE CAP

Unique patented design - from the braking experts. Most Brake Bleeder manufacturers have to supply (and you have to keep buying), a whole range of cap adapters to enable you to bleed any vehicle - the ALB592B fits most cars making it cost-effective & time-saving.

- Can be used with all Pressure Brake Bleeders from all manufacturers
- Fits round neck reservoirs from 30 - 85mm diameter
- Also fits bayonet type reservoirs - truly universal
- Unique patented gripping design
- Easy to fit - easy to use



PART No. ALB592B

TROLLEY PRESSURE BRAKE BLEEDER (20 - 60 LITRES)

- Designed specifically to extract fluid directly from a new drum of fluid
- Single person operation for cars, LCV & HGV clutches
- Adjustable pressure up to 4 bar
- 12v supply (car's own battery) so can be used In & outside workshop
- Supplied with 30564B cap adapter kit (includes ALB592B Alba patented Multi Vehicle Cap)
- Waste fluid collection bottle with attaching chain
- Stainless steel construction for long life
- Brake Fluid container (20 - 60 litres drum) can be secured directly on to trolley base
- Low flow pressure switch for pump shut off when fluid runs low to prevent air entering the system.

DRUM NOT INCLUDED

PART No. ALB595

CAP ADAPTER KIT

- Suitable for use with most pressure brake bleeders (including ALB560, ALB575 & ALB585, ALB595 & ALB30570
- European cap adapter
- ALB592B patented multi-vehicle cap (30 - 85mm diameter)
- Bleed bottle
- Syringe (for fluid level reset if required in master cylinder)

PART No. ALB30564B

PRESSURE BRAKE BLEEDER

- Air operated pressure brake bleeder
- Must remain connected to airline during operation
- Supplied with master cap adaptor kit ALB30564
- Suitable for clutch bleed as well as brake bleed
- 5 Litre capacity

PART No. ALB30565

PRESSURE BRAKE BLEEDER

- Air operated pressure brake bleeder
- Portable - can be disconnected from air supply
- Stores pressure inside tank
- Supplied with master cap adaptor kit ALB30564
- Suitable for clutch bleed as well as brake bleed
- 5 Litre capacity tank

PART No. ALB30566

MASTER CAP ADAPTOR KIT AS SUPPLIED WITH ALB30565 & ALB30566

- Suitable for use with most pressure brake bleeders
- Includes European cap adaptor, multi vehicle caps, American adaptor (GM), & a selection of caps for BMW/Audi, Nissan, Mazda & Honda

PART No. ALB30564

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HAND-OPERATED PRESSURE BRAKE BLEEDER

- Easy one-person operation
- Simple hand-pump operation to create pressure
- Portable
- Supplied with European cap adaptor
- 3 litre capacity
- Quick release coupling
- Pressure release valve

Suitable for use with ALB30564 Master Cap Adapter Kit

ALB30583
Multi Vehicle Cap
for use with ALB30570
hand brake bleeder

PART No. ALB30570

6 LITRE AIR OPERATED VACUUM BRAKE BLEEDER

- Removes fluid via bleed nipples
- New unique design with large capacity 6 litre tank
- Uses standard workshop air supply
- Unique rubber joint for fluid extraction - avoids leaks

PART No. ALB30734

VACUUM BRAKE BLEEDER

- Removes fluid via bleed nipples
- Large capacity 3 litre tank
- Uses standard workshop air supply
- Unique rubber joint for fluid extraction (avoids leaks)
- Complete with refill bottle

PART No. ALB30677

VACUUM BRAKE BLEEDER

- Vacuum brake bleeder complete with motorbike attachment and refill bottles
- 1 litre capacity
- Uses standard workshop air supply
- Unique rubber joint for fluid extraction (avoids leaks)
- Removes fluid via bleed nipples to allow bleeding or entire fluid replacement

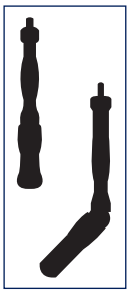
Also available:
ALB30591
As above without refill bottles

PART No. ALB30558

BRAKE DISK LINING & DISK CLEANER

Easily remove the toughest grime from brake linings etc

- Removable filter installed to recycle waste water/detergent
- Tank capacity 40Ltrs
- Fluid level sight indicator
- Safe air discharge of fluid from tank
- Extra large diameter drain pan & removable filter grid
- 4 industrial castors with brakes
- Offset telescopic post 1260mm - 1420mm
- Heavy duty nylon brush



ALB30549 Parts brush straight
ALB30550 Parts brush offset

PART No. ALB30548

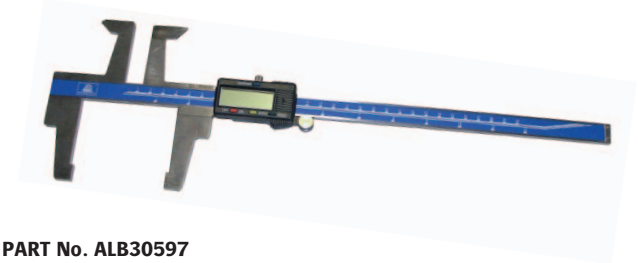
DIGITAL DISC/PAD GAUGE

- Measurement Range: 0 - 150mm (Metric & imperial)
- Resolution: 0.01mm
- Accuracy: 0.01mm
- Packaging: sturdy plastic case

PART No. ALB30596

DIGITAL DRUM GAUGE

- Measurement Range: 0 - 300mm (Metric & imperial)
- Resolution: 0.01mm
- Accuracy: 0.01mm
- Packaging: sturdy wooden box



PART No. ALB30597

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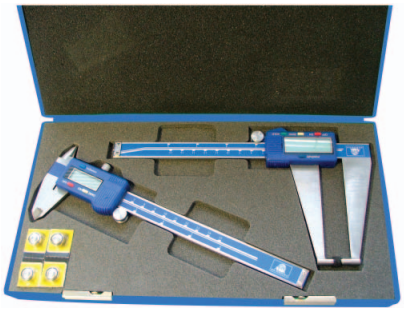
ALB30712 DIGITAL BRAKE DISC CALIPER

- Measurement Range: 0 - 150mm (Metric & Imperial)
- Resolution: 0.01mm
- Accuracy: 0.02mm
- Includes serial port connection for computer interface
- Packaging: sturdy carry case

PART No. ALB30712

BRAKE TESTING COMBO INC ALB30598 & ALB30712

- Digital Vernier Caliper 150mm
- Digital Brake Disc Caliper



PART No. ALB30801

DIGITAL VERNIER CALIPER

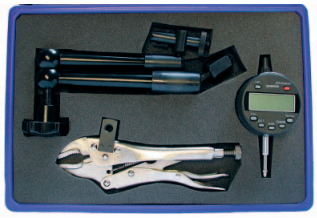
- Measurement Range: 0 - 150mm (Metric & imperial)
- Resolution: 0.01mm
- Accuracy: 0.03mm
- Packaging: sturdy plastic box

PART No. ALB30598

DIGITAL DISC RUN-OUT GAUGE

Includes digital dial indicator

- Measurement Range: 0 - 12.5mm (Metric & imperial)
- Resolution: 0.01mm
- Accuracy: 0.01mm
- Packaging: sturdy plastic case



PART No. ALB30602

DIGITAL MICROMETER

- Measurement Range: 0 - 25mm (Metric & imperial)
- Resolution: 0.001mm
- Accuracy: 0.004mm
- IP54 water resistant
- Carbide measuring faces
- Auto power off
- Packaging: sturdy plastic case

PART No. ALB30607

DIGITAL MICROMETER

- Measurement Range: 0 - 25mm (Metric & imperial)
- Resolution: 0.01mm
- Accuracy: 0.004mm
- Carbide measuring faces
- IP40 water resistant
- Auto power off
- Packaging: sturdy plastic case

PART No. ALB30612

DIGITAL TYRE DEPTH GAUGE AND BRAKE PAD GAUGE

- Measurement Range: 0 - 25mm (Metric & imperial)
- Resolution: 0.01mm
- Accuracy: 0.01mm
- Packaging: sturdy plastic case

Also available ALB30658
Mot Approved Tyre Depth Gauge

PART No. ALB30586

COMPLETE BRAKE SERVICE KIT

Contains all the Digital tools you need to measure brake discs & pads (ALB30596), brake drums & shoes (ALB30597), pad thickness / tyre depth (ALB30586), disc run-out (ALB30602), Vernier caliper (ALB30598)

All packed in a sturdy plastic case

The essential kit for all fast fit outlets, service centres & road safety checks

PART No. ALB30605

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PRESS-VAC - PRESSURE & VACUUM TEST KIT

- Hand pump can be set to pressure or vacuum
- Kit comprises a selection of fittings & hoses - adapts to most components requiring test
- Includes brake fluid collection bottle for brake bleeding
- Gauge reads 0-30in. Hg (0 - -2 BAR) vacuum; 0 - 60 psi (0 - 4 BAR) pressure

PART No. ALB30647

HAND-OPERATED VACUUM PUMP

The ideal tool to bleed diesel fuel filters after replacement

- Brass construction
- Gauge graded in centimeters & inches of mercury
- Bleed diesel pumps, test vacuum-related systems in the engine including ignition, carburetors, automatic transmission, computer control, air conditioning, fuel systems, cruise control & emission control

PART No. ALB30852

MITYVAC 8500 VACUUM & PRESSURE PUMP

Kit includes everything for performing hundreds of automotive diagnostic and mechanical tests.

- Used for one-person brake bleeding.
- Produces vacuum or pressure at the turn of a switch
- Comfortable ergonomic design
- One-finger trigger vacuum/pressure release
- Pressure and vacuum are created on the squeeze stroke for superior accuracy and control
- Includes durable, accurate diaphragm style compound pressure/vacuum gauge

Max. Vacuum/Pressure 25in Hg (85kPa)/ 30psi (207+kPa)

PART No. ALB30878

MANUAL BRAKE CALIPER TOOL SET (2PCS)

- For use with ALB30844 piston rewind tool adapter set
- Integral magnetic pad holds adapter in place
- Includes left and right handed thrust bolt assemblies
- Suitable for wind back & push back brake pistons
- Fits most European & Japanese cars

PART No. ALB30845

AIR OPERATED PISTON REWIND TOOL & ADAPTER 3/8" SQUARE DRIVE

- Air operated rewind tool for both left and right handed threaded pistons.
- Winds back brake pistons to replace brake pads.
- Air adjusting lever.
- Suitable for most 3/8" Sq Dr wind back and pin type adapters
- Use with ALB30844 35 piece piston rewind tool adapter set

PART No. ALB30843

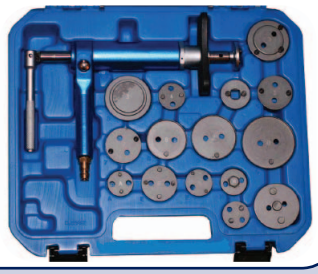
35 PIECE PISTON REWIND TOOL ADAPTER SET

- Use with either ALB30843 pneumatic piston rewind tool or ALB30845 manual RH & LH piston rewind tool to rewind brake pistons to replace brake pads
- Fits most European and Japanese cars
- Magnetic pad holds adapters in place
- Tool for both left and right handed threaded pistons
- Comprises of 35 adaptors

PART No. ALB30844

AIR OPERATED PISTON REWIND TOOL

- Winds back brake pistons to replace brake pads
- Fits most European and Japanese cars
- Lever to adjust compressed air
- Magnetic pad holds adapters in place
- Tool for both left and right handed threaded pistons
- Comprises of 15 adaptors



PART No. ALB30728

MANUAL PISTON REWIND TOOL

- Winds back brake pistons to replace brake pads
- Fits most European and Japanese cars
- Magnetic pad holds adapters in place
- Tool for both left and right handed threaded pistons
- Comprises of 17 adaptors

PART No. ALB30783

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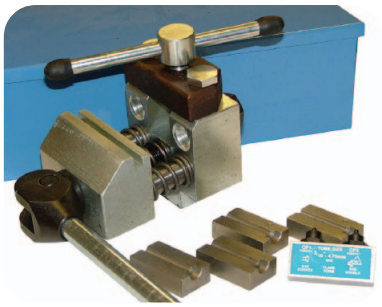
OFF CAR BRAKE PIPE FLARING TOOL

- Lever cam action for quick flaring off the vehicle
- Automatic punch extraction from flare
- Produces both convex & double lap flares to SAE & DIN standard (3/16″ & 4.75mm pipe)
- Other sizes available
- All components available individually



Also available: ALB30688 Master Kit in 4 sizes: 3/16th & 4.75, 6.8 & 10mm

PART No. ALB30626

ON CAR BRAKE PIPE FLARING TOOL

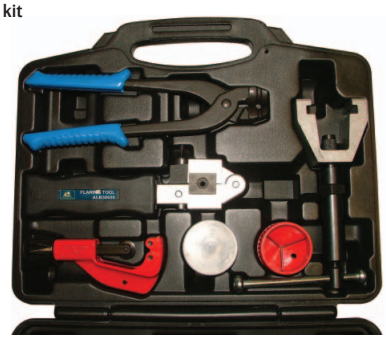
- New improved model with enhanced bridge unit for greater strength
- Quick release chuck for positive engagement of the punch
- Patented design for producing high quality flares on the vehicle
- Unique hydraulic power unit provides ultimate power for precision flaring
- Creates SAE & DIN single & double flares (3/16″ & 4.75mm pipe)
- Flaring pipes on the vehicle allows for accurate repair sections to be spliced in following repair work or accident damage
- Supplied in case suitable for expansion of kit to include all parts in ALB30717 Master brake pipe flaring kit

Also available ALB30880 (kit contains ALB30659B + ALB30879)

PART No. ALB30659B

BRAKE PIPE FLARING TOOL MASTER KIT

As per ALB30659B Flaring tool, but with the addition of brake pipe aid pliers (ALB30723), telescopic tube cutter (ALB30753) & de-burring tool (ALB30746) to make Master kit

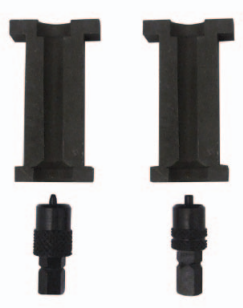


Also available ALB30881 (kit contains ALB30717 + ALB30879)

PART No. ALB30717

6MM UPGRADE KIT FOR ALB30659B

- Adds 6mm flaring capacity to existing kit (ALB30659B)
- Contains the necessary dies and punches to flare 6mm brake pipes



PART No. ALB30879

BRAKE PIPE AID PLIERS

- For forming bends in brake & clutch pipe
- For 3/16″ & 4.75mm diameter brake pipe
- Ideal for use on vehicle or in restricted space

PART No. ALB30723

PIPE DE-BURRING TOOL

- To ensure brake pipe is correctly deburred inside & out before flaring
- For 3/16″ - 1 ½″ OD
- Plastic body
- Inside/Outside Deburring Tool

PART No. ALB30746

TELESCOPIC TUBE CUTTER

- For 1/8″ - 1 ¼″ (3mm - 32mm) O D Tube
- Telescopic action cutter
- Cuts close to flared pipe ends
- Includes a spare cutter wheel and foldaway deburring blade

ALB30747 - Spare Cutting Wheel

PART No. ALB30753

MINI TUBE CUTTER

- For 1/8″ - 5/8″ (3mm-16mm) OD Tube
- Ideal for on vehicle use

ALB30647 - Spare Cutting Wheel

PART No. ALB30754

BRAKE PIPE CORROSION TOOL

- Makes brake pipe inspection easy
- Features two scraper areas, which allows removal of dirt and corrosion to inspect brake pipes efficiently and without damage.

PART No. ALB30764

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ALBA FAST FIT KIT

Everything you need to test some of the critical service items in your customers car

Kit includes: Brake Fluid Tester (ALB1100), Battery Tester (ALB30578), Tyre depth gauge (ALB30586), Tyre pressure gauge (ALB30599), Hydrometer (ALB30593), Torch (ALB30604) & a flexible inspection mirror with light (ALB30760)

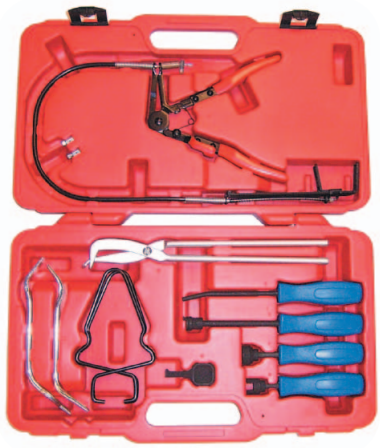
All packed in a sturdy plastic case

The essential kit for all fast fit outlets, service centres & road safety checks

PART No. ALB30611

10 PCS PROFESSIONAL BRAKE SERVICE KIT

Contains the most popular brake tools for servicing drum brakes on many UK & European vehicles

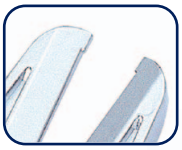


PART No. ALB30630

LINE CLAMPS

- NEW design made from ALUMINIUM, not plastic
- Smooth rounded jaw edges prevent damage to internal hose
- Adjustable screw to prevent slippage
- Quick & simple to use
- Triple pack includes 1 each large, medium & small clamp
- Blister packed

Also available ALB30757; Triple pack in plastic



Anti-slip design

Adjustable screw

PART No. ALB30678

4PCE RATCHETING BRAKE PIPE NUT WRENCH SET

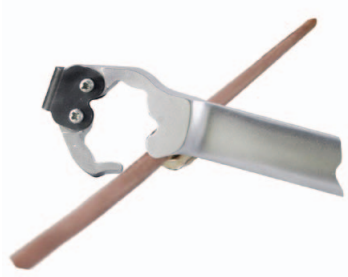
Sizes 8 - 15mm supplied in pouch

- Unique Patented ratcheting system for fast and easy removal of brake pipe nuts and inline nuts
- Can be opened and closed to fit around the nut completely
- Does not require intact points on the nut - ideal for work on rounded, worn or even rusty nuts
- The more pressure exerted on the tool, the tighter the grip on the nut
- Only uses the flanks
- Swivel on both ends
- Made of chrome vanadium steel

PART No. ALB30884

RATCHETING BRAKE PIPE NUT WRENCH (11mm)

- Unique patented ratcheting system for fast & easy removal of brake pipe nuts and inline nuts.
- Can be opened and closed to fit around the nut completely
- Does not require intact points on the nut - ideal for work on rounded, worn or even rusty nuts
- The more pressure exerted on the tool, the tighter the grip on the nut
- Only uses the flanks
- Fixed end & swivel end
- Made of chrome vanadium steel



PART No. ALB30840

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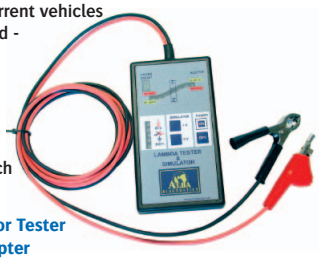
LAMBDA SENSOR TESTER

Brings an intelligent approach to diagnostics

- Works on Zirconia & Titania sensors
- Tests & simulates lambda sensors in current vehicles
- Rich or lean conditions can be simulated - checks wiring and correct computer response
- Portable - powered by internal battery
- Unique signal clip - easy connection to harness. no need to break into wiring
- Intelligent ident panel informs you which wire you are connected to



Also available: ALB1600 - Lambda Sensor Tester with ALB30784R Heavy Duty Clip & Adapter

PART No. ALB1500

HEAVY DUTY WIRE PIERCING CLIP & ADAPTER

- Set of 2 probes for insulation piercing connection to cables
- Robust plastic moulding suitable for high temperatures.
- Protected tip to avoid shorting on earth
- Supplied with 4mm shrouded female connector for connection to standard multimeter cables.

Also available individually as
ALB30784R Heavy Duty Wire Piercing clip (red)
ALB30784B Heavy Duty Wire Piercing clip (black)

PART No. ALB30687

COMBO CHASSIS EAR & ENGINE EAR

Electronic squeak and rattle finder

- Listen to 6 under chassis locations in one road test
- Hear noises that cannot be duplicated in the pit
- Essential for saving needless warranty expense
- Improves shop efficiency, revenues, customer satisfaction and saves time

PART No. ALB30508

GLOW PLUG TESTER

- Used to test diesel glow plugs in the engine
- No need to remove glow plugs from the engine
- Only to be used on 12 Volt DC Systems
- After 3 seconds the Glow plug tester will indicate faulty or OK on the glow plugs
- Multimeters can only test glow plugs in their off (cold state)
- This tester works by actually powering up the glow plug and measuring its operating current: The best way to give an accurate indication of the glow plug status

PART No. ALB30638

SOUNDSONIC - ULTRA SOUND DIAGNOSTIC SYSTEM

The SoundSonic is a unique diagnostic tool using non-intrusive ultrasound to inspect & help isolate difficult to find non-audible to the human ear sounds. These are sounds at frequencies you can't normally hear.

Why is this useful? By detecting these troublesome noises earlier it helps with preventative maintenance & troubleshooting in all sorts of areas reducing downtime and costs to repair.

How do we do it? This is achieved by detecting ultrasound above our normal hearing range. We then convert this to a sound level which the human ear can hear & the LED bar graph indicates intensity & direction of the signal. This helps you to accurately pinpoint problem areas earlier in the failure cycle. The unit is specifically tuned to only listen to the non-audible ultrasound. This means it is not affected by other noises around it like radios, voices, wind, traffic or other common noises which can normally interfere with the technicians ability to pinpoint the root of the potential noise.

The kit consists of the SoundSonic transmitter & receiver, headphones, one aluminium contact probe, & one aluminium air/acoustic probe, user manual & stored in a sturdy plastic case.

PART No. ALB30670

OUT OF VEHICLE GLOW PLUG TESTER ADAPTOR

Designed to enable the user to test glow plugs out of the vehicle.
Two inspection holes on the side of the unit enable visual diagnosis.

PART No. ALB30686

DIGITAL DIESEL PRESSURE TESTER

- To read the diesel fuel pressure in a vehicle
- No fittings required, using a piercing clip on signal wire to measure
- Range is 0 - 1500 BAR
- Readings alternate between MAX and current pressure

PART No. ALB30648

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THROTTLE POT TESTER

- The throttle pot tester is used to test the throttle potentiometers in motor vehicles and other position sensors
- To be used on 12 volt DC systems only
- In many applications in the vehicle, the ECM needs to know the physical position of mechanical components
- The throttle pot tester can test other sensors including throttle position sensor, which indicates the position of the throttle valve and Exhaust Gas valve
- All these sensors operate in the same manner

PART No. ALB30671

3 PIECE DIAGNOSTIC KIT

Diagnostic kit supplied in sturdy plastic case with foam insert. Kit comprises ALB30638 Glow Plug Tester, ALB30671 Throttle Pot Tester & ALB30648 Digital Diesel Pressure Tester.

PART No. ALB30694

MULTIMETER WITH I/R THERMOMETER

- Unique plug-in IR Thermometer attachment with 8:1 distance ratio and Measurement range 30-550 degree C
- Safe to use with HYBRID vehicles
- RPM Measurement for automotive engines with 2-10 cylinders
- 14 FUNCTIONS INCLUDING - DCV,ACV,DCA,ACA, Resistance, RPM (Tach), ms-pulse, Dwell-angle, Duty cycle, Frequency, Temperature (IR Temperature C/F) Capacitance, Continuity and Diode check

PART No. ALB30762

WIRELESS AUTOMOTIVE MULTIMETER

- Can be used with a PC to enhance results analysis - RS232 PC interface to allow connection to PC - software included.
- Min/Max function holds high or low readings for better diagnostic capability.
- 50mm LCD Display with bar graph and backlighting
- 14 FUNCTIONS including - AC/DC Volts, Amps, Audible Continuity, Resistance, Ms-Pulse Width, Ms-Period, RPM/ x10RPM, Dwell & Duty Cycle, Frequency, Temperature, Capacitance, Data Hold, Relative Charge & Trigger level adjust

PART No. ALB30763

(MAXI-FUSE) AUTOMOTIVE CURRENT TESTER

Easy connection for circuit current testing - plugs right into fuse socket

- Measures circuit amperage 0 - 30 amps
- Unique design incorporates removed fuse to maintain circuit protection
- .01 Amp resolution
- 1999 counts LCD display
- Max measuring voltage : 48 max. current 30A
- Cable length approx 75cm

Also available:
ALB30767
(Mini-fuse) Automotive Current Tester

PART No. ALB30719

(MAXI-FUSE) CAR FUSE ADAPTER

Circuit amperage testing made easy

- Unit adapts any DMM to plug into fuse socket for measuring circuit amperage draw
- The circuit remains protected by the existing fuse - no overloading
- Convenient way to connect your automotive current tester or hand held scope
- Maximum measuring voltage 48v
- Cable length approx 75cm

Also available:
ALB30768
(Mini Fuse) Car Fuse Adapter

PART No. ALB30720

SUPERPROBE

The Intelligent Autoelectrical Tester

- Polarity Test
- Continuity Test
- Energise components
- Audible and visible polarity indication
- Auto-reset thermal breaker
- Hi-brightness LED's to light up work area
- Touch control light switch
- Robust construction

PART No. ALB3000

INTELIPROBE

The Intelligent Autoelectrical Tester

- Energise components in the vehicle
- Polarity test
- Continuity Test
- Short Circuit Protection
- Auto-rester thermal breaker
- 6V-24V DC operation

PART No. ALB3010

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ULTRASONIC LEAK DETECTOR

Save hours on road tests

- Isolate wind noises & water leaks without driving
- Place transmitter inside vehicle, close doors & windows
- Use detector probe to find leak on outside of vehicle
- Variable tone pinpoints location of leak
- Includes adjustable headphones & 9V battery

PART No. ALB3060

DIGITAL V PROBE

- Checks from 0 to 48V system with LCD screen & LED flashlight
- Voltage meter & peak detection
- Determines the polarity (short & open circuit)
- Locates missing cylinders
- Activates components with positive or negative current without jump wire.

PART No. ALB30821

AUTOMOTIVE PROBE TEST KIT

- For use on ALB3000 Superprobe & ALB3010 Intelliprobe
- Wire piercing clip, crocodile clip & needle point connector
- Simply take off probe tip and replace with test lead and then use the interchangeable, standard 4mm banana plug connectors which are on all the parts
- Packed in plastic bag

PART No. ALB30673

44 PCS AUTOMOTIVE TEST LEAD SET

A comprehensive range of test leads and probes which can be used with standard 4mm banana plugs on multimeters, test & diagnostic equipment. Complete with a selection of the most commonly used test leads, croc clips, cable clamps & extension cables

PART No. ALB30653

HIGH TEMPERATURE INFRARED THERMOMETER (-18degC - 850degC)

- Temperature range is -18degC - 850degC
- Accuracy +/-2% or +/-2degC
- Distance spot ratio 8 : 1
- Data hold function
- Auto power shut off
- Backlight display selection
- Laser target pointer selection
- Average & difference function
- High & low temperature alarm setup
- Data store & recall function
- Response time & wavelength
- Repeatability

PART No. ALB30663

LASER TACHOMETER

The Tachometer is equipped with a laser pointer for accurate targeting. Reflective tape placed on a revolving object can be measured at distances from 2″ to 12″. It features a wide measuring range and high resolution.

- 2.5 to 99,999 RPM with a large display, autoranging, min/max memory storage and low battery indicator
- The Tachometer is the ideal tool for applications where electronic RPM pickup is not available
- Gears, Motors, Engines, Fans, Compressors, Generators, Pulleys, Grinding Wheels, Drills, Saws and Hones
- Infrared technology make the Tachometer accurate, convenient & easy to use
- Infrared beam not affected by ambient light
- Non-contact design results in no torque loss for true precision

PART No. ALB30683

FUSEAID CV TESTER

- Measures circuit Amperage 0 - 80amps
- Universal kit incorporating mini/maxi & commercial fuse
- 0.01amp resolution
- Complete with adaptors

PART No. ALB30802

FUSEAID AUTO TESTER

- Measures Circuit Amperage 0 - 30 Amps
- Universal kit incorporating mini & maxi fuse
- 0.01amp resolution
- Complete with adaptors

PART No. ALB30817

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23PCE TERMINAL RELEASE TOOL

A comprehensive Terminal Tool set incorporating a selection of products for use on standard WeatherPack and PackCon terminals, the latest tool for new Volkswagen and Audi vehicles plus special tools for coolant sensors, wiring harnesses and terminal blocks on Chrysler, Hyundai, Kia and Mitsubishi vehicles.

PART No. ALB30818

NOID LIGHT SET

- 11 pce deluxe noid light/AC Test Kit for testing GM PFI, Ford, TBI, Bosch PFI, GM TBI, GM SCPI, GM Multec 2
- 2 IAC signal test lights
- 1 Fibre optic noid light extension
- Supplied in sturdy carry case

PART No. ALB30822

I/R THERMOMETER

Measure surface temperatures safely without contact

- Integral laser pointer identifies target area
- Temperature range: -35°C to 270°C
- 6:1 distance ratio
- Data hold and Max hold
- Adjustable emissivity
- 0.1° resolution
- Programmable alarm setpoint

PART No. ALB30825

HIGH CURRENT CLAMP - 1000A

- Compatible with graphing meters, scopes & DMM's
- Measures AC or DC 0-1000Amps
- Can be used for testing starting & charging systems
- Zero adjust control
- Jaw opening 54mm

Test Range
AC Amps 0-600A or 0 - 1000A (resolution 0.1A)
DC Amps 0-600A or 0 - 1000A (resolution 0.1A)

PART No. ALB30882

CURRENT CLAMP - 400AMPS

Compatible with graphing meters, scopes & DMM's

- Can be used for testing starting & charging systems
- Works with digital multimeters (DMM's)
- Auto power off & low battery indication

Test Range
AC Amps 0-40A or 0 - 400A (resolution 0.1A)
DC Amps 0-40A or 0 - 400A (resolution 0.1A)

PART No. ALB30827

LOW CURRENT CLAMP

Compatible with graphing meters, scopes & DMM's

- Use for diagnostic analysis to generate current waveforms e.g. primary ignition coils, fuel injectors, fuel pumps, etc
- Works with digital multimeters (DMM's)
- 13mm jaw opening, clamps over most negative battery cables
- Auto power off & low battery indication

Test Range
AC Amps 0-20A, 0 - 80A (resolution 0.01A for parasitic drain testing)
DC Amps 0-20A, 0 - 80A (resolution 0.01A for parasitic drain testing)

TEST LEADS

- 10amp test lead with 4mm banana clip connectors, can be used with multimeters & other diagnostic equipment

PART No. ALB30847

PART No. ALB30828

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		ALB30667	ALB30578	ALB30725
BATTERY TEST	6V	no	yes	yes
	12V	yes	yes	yes
	24V	no	no	no
BATTERY TYPE	VRLA/GEL/AGM	yes	yes	yes
	SLI	yes	yes	yes
CHARGING SYSTEM	12V	yes	no	yes
	24V	no	no	yes
OPERATING RANGE		200~1200 CCA	40~2000 AH	40~2000 CCA
TOLERANCE		<+/-10%	<+/-5%	<+/-5%
VOLTMETER		9V-15V	1V-30V	1V-30V
TOLERANCE		+/- 0.1V	+/- 0.05V	+/- 0.05V
TEST DISCHARGED BATTERY DOWN TO		9V	1.5V	1.5V
BATTERY RATING SYSTEM	SAE	yes	yes	yes
	DIN	yes	yes	yes
	EN	yes	yes	yes
	IEC	yes	yes	yes
	AH	no	no	no
PRINTER		no	no	yes
AUTO DATE/TIME STAMP		no	no	yes
DISPLAY		LED's	LCD	LCD
LANGUAGES		no	7	9
PLASTIC CARRY CASE		no	yes	yes
PROTECTION BOOT		yes	yes	yes

PART No. ALB30578 & ALB30667

PART No. ALB30725

LOAD TESTING BATTERY TESTER

100 AMP Digital battery load tester / charging system analyser

- Microprocessor controlled design guarantees an easy & accurate load test - no need to time yourself
- Bright LED digital display indicates both voltage & test result
- Automatically turns off the load after 10 seconds and latch the voltage
- Unique 3 step design: LED polarity checking function, battery load test & charging system readout
- Checks both battery & charging system
- Patent pending
- 12V battery system use only

PART No. ALB30582

DATA SAVER PRO

Prevent data loss in on board electronic systems when changing the battery

- Dual inputs & outputs - use with cigar lighter or battery clamps
- Surge protection on output
- Ready Indication - checks cigar lighter fuse on both vehicles
- Audible spike indication

PART No. ALB30526 (12V)

AUTOMATIC BATTERY CHARGER

- Ideal for use with CAL/CAL, Sli, AGM and Gel batteries
- 20% faster than traditional chargers
- Automatically keeps batteries fully topped up

PART No. ALB30739

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4 STAGE BATTERY CHARGER

- Independently works on 4 separate batteries
- Ideal for use on frequently used vehicles
- Can also be used on motorcycles and classic cars
- Suitable for leisure applications including caravans and marine batteries

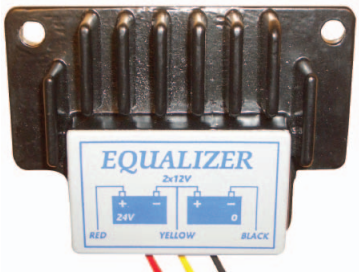
PART No. ALB30740

CHARGING EQUALISER

Two 12V batteries connected in serial can never be charged equally. One of them accepts lower (e.g. 13.6V), the other higher (15.2V) charging voltage at the same charging current.
This imbalance is self progressive and shortens the life of both batteries, due to sulphating (caused by undercharging) and drying up (caused by overcharging).

The charging equaliser immediately eliminates the charging voltage imbalance , and guarantees equal charging voltage which results equal state of charge of the batteries.

Application: Trucks, buses, wheelchairs, cleaning machines, anywhere where 12V batteries are connected in series.



PART No. ALB30651

ALB30836, 30837, 30874 & 30842 MEGABOOST POWER PACKS

MEGABOOST: the name for powerful and reliable power packs
Manufactured in Europe & the ONLY units fitted with pure lead batteries from the American EnerSys company. They are the BEST & most effective batteries for jump starting applications; having the best life cycle, fastest recharge & longest shelf-life.
Powerful & compact, the range now includes dedicated 12V or 24V - 700, 1100 and 2200 amps models.

THESE QUALITY UNITS KEEP ON CHARGING LONG AFTER THE OPPOSITION DIES A DEATH.

EnerSys™ Power/Full Solutions

Part No	ALB30836	ALB30837	ALB30874	ALB30842
Voltage	12V DC	12V DC	12V DC	24V DC
Cranking Amps	700A	1100A	2200A	1100A
Peak Amps	1600A	2400A	4800A	2400A
Battery	16Ah. Genesis	26 Ah. Genesis	2 x 26 Ah. Genesis in parallel	2 x 26 Ah. Genesis in series
Cables	1.5m - 25mm2	1.5m - 25mm2	2m - 50mm2	2m - 50mm2
Weight	8Kg	14 Kg	26 Kg	26 Kg
Charger Amps	2.5A external	2.5A external	2 x 2.5A internal	2 x 2.5A internal
Trolley	No	No	Standard	Standard

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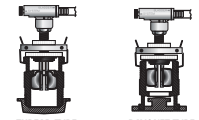
DELUXE COOLING SYSTEM PRESSURE TESTER AND CAP TESTER KIT

The universal cooling system pressure system tester that eliminates the need for most adaptors

The unique inflatable bladder sealing system enables the analyser to attach to almost all passenger and light commercial vehicles. Fits bayonet and threaded filler necks on radiators and header ranks.

- Locate leaks from: head gaskets, radiator and heater cores, housings, water pumps and hoses
- Universal fitment
- Fast, efficient system testing
- Test cap relief pressure & seal condition
- Suitable for marine applications
- Fluid drain tube allows coolant to be returned to the coolant reservoir or safely collected in a container for recycling

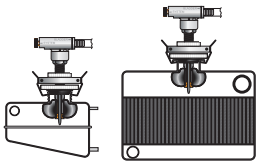
CAP TESTING



THREAD TYPE HEADER TANK CAP

BAYONET TYPE RADIATOR CAP

SYSTEM TESTING



HEADER TANKS

RADIATORS

Includes blow-moulded storage case & 6 cap testers to test cap relief pressure & condition of seals.

PART No. ALB70889

COOLING SYSTEM PRESSURE TESTER

THE UNIVERSAL COOLING SYSTEM PRESSURE TESTER THAT ELIMINATES THE NEED FOR MOST ADAPTORS

Contents include:
- Analyser
- Pressure pump with 0-30 psi (0-207 kPa) gauge
- Air supply hose
- Drain hose
- Spare bladder
- Instruction manual
- 70768 Neck Extension
- 70769 Neck Extension
- Blow-moulded storage case

Features:
- Universal fitment
- Fast, efficient system testing
- Suitable for marine applications.
- Fluid drain tube allows coolant to be returned to the coolant reservoir or safely collected in a container for recycling

Locate leaks from:
- Head gaskets
- Radiator and heater cores
- Welch plugs and housings
- Water pumps and hoses

The inflatable bladder sealing system enables the analyser to attach to almost all passenger and light commercial vehicles. Fits bayonet and threaded filler necks on radiators and header tanks.

PATENTED
PATENT INSURED

6 months warranty

PART No. ALB70800

AIR VAC COOLANT REFILLER

- Fast and efficient refilling system with 1 universal cone adapter
- Fits most radiator and header tanks due to unique cone adapter
- Integrated vacuum gauge
- Eliminates bleeding, coolant spillage and wastage
- Operates on shop air to generate full system vacuum and eliminate airlocks
- Reduces filling time
- Supplied in sturdy carry case

PART No. ALB30771

HYDROMETER

Incorporates a thermometer to measure coolant temperature.

The coolant protection level can be found by comparing the float reading to the coolant temperature. Supplied with comparison chart.

PART No. ALB30593

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10 LITRE MANUAL/PNEUMATIC OIL EXTRACTOR

- Combination fluid extractor - either air or manual
- Allows extraction via dipstick
- Excellent vacuum
- Air or manual to pump waste fluid
- 10litre capacity
- Supplied with 4 hoses & vacuum bleeder attachment
- Sturdy construction

PART No. ALB30733

OIL DRAINER GRAVITY FEED/AIR DISCHARGE

Easy, no mess way to drain and remove vehicle oil

- 80 litre reservoir
- Oil level indicator tube
- Telescopic tube adjusts from 1200mm to 1950mm
- 4 industrial castors with brakes
- Extra large diameter drain pan & removable filter grid
- Safe air discharge of oil from tank, no lifting, no pouring, no spills

PART No. ALB30547

PROFESSIONAL OIL DRAINER/EXTRACTOR

- 80 litre reservoir
- Oil level indicator tube
- Telescopic tube adjusts from 1200mm - 1950mm
- Extra large diameter drain pan and removable filter
- Safe air discharge of oil from tank
- No lifting, pouring or spillage
- Gear pump fitted to extract oil via the dipstick
- For use on gearbox oil, automatic transmission oil and in motorcycles
- Comes complete with suction hoses

PART No. ALB30584

FUEL RETRIEVER

Designed for the safe removal & storage of petrol or diesel. The unit is supplied with a tube which is passed into the fuel tank. Operates off workshop compressed air. A vacuum is created to pull the fuel from the vehicle into the fuel retriever. The process is reversed to return the fuel to the vehicle tank.

- Capacity: 90 litres
- Construction: Stainless steel
- Operation: Air (no risk of sparks)
- 5 adapters supplied as standard with every kit (6, 8, 9.5, 12mm and 16 mm)
- 8 adapters supplied to break into fuel lines
- Earth wires supplied with every unit

Also available ALB30812 Fuel Line Adapter Kit

PART No. ALB30634

OIL / FLUID EXTRACTOR

- No AC/DC power required
- Suitable for cars, motorcycles, marine, industrial, fish tanks etc with 6.7mm diameter and 5.8mm diameter suction probes & 1.2m extension hose
- 6.5 litre capacity
- Simple and easy to operate
- Portable

PART No. ALB30537

OIL SUCTION GUN

- Chrome plated
- T-bar handle plunger
- Useful for removal of oil from differentials and gearboxes
- Supplied with 200mm of flexible suction hose
- 500ml capacity

PART No. ALB30729

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PRESTIGE ½" IMPACT WRENCH

- Lightweight and compact magnesium body, ideal for tight spaces
- Excellent power to weight ratio
- Designed for fast & efficient tyre changing with minimum effort
- 433Nm of Torque
- Twin hammer impact mechanism
- Weight 1.29Kgs

PART No. APP201

½" IMPACT WRENCH

- General purpose impact wrench
- 540Nm of Torque
- Pin clutch hammer mechanism
- Forward & reverse mode
- Excellent balance

PART No. APT205

10MM REVERSIBLE DRILL

- Rear exhaust through handle
- Side mounted forward/reverse shift
- Powerful air motor
- Positive trigger action
- Ideal for drilling, reaming & honing

PART No. APT401R

3/8" RATCHET

- Forward/reverse knob on ratchet head
- Max Torque 60Nm
- Ball type retainer
- Progressive throttle

PART No. APT320

HIGH PRESSURE MK3 TYRE INFLATOR

- Classic hand-held slimline design
- Cast aluminium body with impact absorbing rubber bumper for use on garage forecourt & volume tyre bays
- C/w 21" hose & twin hold-on connector
- Magnified linear scale
- Guaranteed accuracy
- Extremely robust
- Inflates up to 138psi / 9.6bar
- Complies with EC Directive 86/217/EEC & BS EN 12645:1999

PART No. ALG3H03

Also available:

21" AIR HOSE REPLACEMENT FOR MK3 TYRE INFLATOR

- Max pressure 300 psi
- Can be used with any inflator
- 10mm ID hose

PART No. RHA2031

AIRFORCE TYRE INFLATOR

- Lightweight & robust hand held mechanical tyre inflator
- Shock resistant construction
- Fast inflation speed
- Clear dial display
- Direct valve design increases inflation & deflation rates
- Inflates up to 170psi / 12 bar
- C/w 1.8m hose & euro-clip-on connector
- Complies with EC Directive 86/217/EEC & BS EN 12645:1999

PART No. AFG1H08

PLASTIC BLOWGUN

- Ergonomically designed handle for greater comfort
- Valve allows trigger-adjustable airflow
- Supplied blister packed

PART No. BG5002

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METAL BLOWGUN

- Robust and compact design
- Interchangeable nozzles available & easy to fit
- Made from die cast alloy
- Display packed for convenience

PART No. BG106

POCKET TYRE PRESSURE GAUGE

- A positive sealing washer ensures reliability
- Angled head
- Dual calibrated in bar and psi 0.5 - 3.4 bar

PART No. TPG1H01

VOSA APPROVED TYRE TREAD DEPTH GAUGE

- Accurate measurement of tread 1 -26mm in 1mm increments (1.6mm mark)
- Easy to read
- VOSA approved
- Department of Transport accepted for MoT Testing
- Complies with EC directive 89/459/EEC

PART No. TDG16C01

10M AIR HOSE C/W VERTEX COUPLINGS & STANDARD ADAPTORS

- Max pressure 300 psi
- Vertex and Standard adaptor ends
- 10mm ID hose

Also available
HA2139 15m Air Hose C/W Vertex Couplings & Standard Adaptors

PART No. HA2134 & HA2139

7.5MM NYLON COILED HOSE ASSEMBLY

- Nylon material
- Nickel plated 360 degree swivel fittings
- 200mm straight ends with spring guard
- Max pressure 200psi

PART No. HA5201

AIRFLOW COUPLINGS

- Single action
- Steel construction
- Robust and hardwearing - ideal for use in the engineering/workshop environment
- Stainless springs and balls
- Corrosive resistant finish
- Designed for fixed applications

PART No. AC21CF

Part no	Thread type	Thread size
AC21CM	Male	R 1/4
AC21EM	Male	R 3/8
AC21JM	Male	R1/2
AC21CF	Female	Rp 1/4
AC21EF	Female	Rp 3/8
AC21JF	Female	Rp 1/2
AC21R	Hose Tailpiece	7mm (1/4")
AC21S	Hose Tailpiece	8mm (5/16")
AC21T	Hose Tailpiece	10mm (3/8")
AC6103	Twin Coupling	-

VERTEX COUPLINGS

- Double action
- Steel construction
- Corrosive resistant finish
- Protective shoulder to prevent dirt penetration
- Designed for trailing hose applications

PART No. AC91CF

Part no	Thread type	Thread size
AC91CM	Male	R 1/4
AC91EM	Male	R 3/8
AC91JM	Male	R 1/2
AC91CF	Female	Rp 1/4
AC91EF	Female	Rp 3/8
AC91JF	Female	Rp ½
AC91R	Hose Tailpiece	7mm (1/4")
AC91S	Hose Tailpiece	8mm (5/16")
AC91T	Hose Tailpiece	10mm (3/8")
AC6503	Twin Coupling	-

XF COUPLINGS

- High flow rate - 130cfm at 100psi
- Hardened steel construction with corrosive resistant finish
- Steel shoulder prevents accidental disconnection
- Enhances tool efficiency
- Interchangable with: Rectus 25/26, Legris 25/26, Cejn 320, Norgren 234/238 & Schrader InterCheck 35

PART No. AC71CF

Part no	Thread type	Thread size
AC71CM	Male	R 1/4
AC71EM	Male	R 3/8
AC71JM	Male	R 1/2
AC71CF	Female	Rp 1/4
AC71EF	Female	Rp 3/8
AC71JF	Female	Rp 1/2
AC7106	Hose Tailpiece	6mm
AC7108	Hose Tailpiece	8mm
AC7109	Hose Tailpiece	9mm
AC7110	Hose Tailpiece	10mm
AC7113	Hose Tailpiece	13mm

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100 SERIES COUPLINGS

- Hardened shoulder prevents accidental disconnection
- Secure locking device
- Specially designed valves and large aperture provides optimum air flow.

PART No. AC5JF

Part no	Thread type	Thread size
AC5EM	Male	R 3/8
AC5JM	Male	R 1/2
AC5EF	Female	Rp 3/8
AC5JF	Female	Rp 1/2

STANDARD ADAPTERS

- Suitable for most workshop compressed air applications
- Benchmark in the UK for quality and reliability
- Genuine PCL product, designed and manufactured in Sheffield, England
- Hardened steel construction with corrosive resistant finish
- For use with Airflow, Vertex, Safeflow and Non-corrodible couplings

PART No. ACA2593

Part no	Thread type	Thread size
ACA2593	Male	R 1/4
ACA6909	Male	R 3/8
ACA6584	Male	R 1/2
ACA2746	Female	Rp 1/4
ACA6582	Female	Rp 3/8
ACA6583	Female	Rp 1/2
ACA2486	Hose Tailpiece	4.75mm (3/16")
ACA1793	Hose Tailpiece	6.35mm (1/4")
ACA2487	Hose Tailpiece	7.9mm (5/16")
ACA2488	Hose Tailpiece	9.5mm (3/8")
ACA9438	Hose Tailpiece	13mm (1/2")

XF ADAPTORS

- For use with XF Couplings
- Corrosive resistant finish
- Hardened steel case for longer

PART No. AA7102

Part no	Thread type	Thread size
AA7101	Male	R 1/8
AA7102	Male	R 1/4
AA7103	Male	R 3/8
AA7104	Male	R 1/2
AA7105	Female	Rp 1/8
AA7106	Female	Rp 1/4
AA7107	Female	Rp 3/8
AA7108	Female	Rp 1/2
AA7109	Hose Tailpiece	4mm
AA7110	Hose Tailpiece	6mm
AA7111	Hose Tailpiece	8mm
AA7114	Hose Tailpiece	9mm
AA7112	Hose Tailpiece	10mm
AA7113	Hose Tailpiece	13mm

100 SERIES ADAPTERS

- For use with 100 series couplings
- Corrosive resistant finish
- Case hardened for longer life

PART No. ACA3035

Part no	Thread type	Thread size
ACA2999	Male	R3/8
ACA3035	Male	R1/2
ACA2994	Female	Rp 3/8
ACA3037	Hose Tailpiece	9.5mm (3/8")
ACA3036	Hose Tailpiece	12.7mm (1/2")

HOSE TAIL ADAPTOR

- Connects hose to a female fitting

PART No. HC1206

Part no	Thread type	Thread size
HC1205	R 1/4	4.75mm (3/16")
HC5656	R 1/4	6.35mm (1/4")
HC1206	R 1/4	7.9mm (5/16")
HC1217	R 1/4	9.5mm (3/8")
HC2479	R 1/4	12.7mm (1/2"
HC6904	R 3/8	6.35mm (1/4")
HC6905	R 3/8	7.9mm (5/16"
HC2951	R 3/8	9.5mm (3/8")
HC2808	R 3/8	12.7mm (1/2")
HC6908	R 1/2	9.5mm (3/8")
HC2954	R 1/2	12.7mm (1/2")
HC9336	R 1/4 NPT	6.35mm (1/4")

DOUBLE UNION

- For connecting fittings (male to male)

PART No. HC6560

Part no	Male thread
HC6560	R 1/4
HC4281	R 3/8
HC6898	R 1/2

PCL AIR TECHNOLOGY

PCL is recognised as the global market leader in the design, manufacture and distribution of Tyre Inflation and Compressed Air products for Industrial, Petrol Forecourt, Automotive and Transportation markets.

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PROVISION OPTICAL FIBRE BORESCOPES

Available in 2 flexible lengths - 450mm & 900mm

Available with or without, obedient screw-on flexible 10mm sleeve

- Illuminated high definition viewing (7400 pixel)
- Fluid resistant
- Mirror, halogen bulb & magnet kit included FOC
- Optional camera coupler
- Batteries not included

ALB30691 / ALB30692 / ALB30699 / ALB30700 / ALB30701 / ALB30702
All include accessories below

ACCESSORIES FOR BORESCOPES

Mirror, bulb and magnet set

BORESCOPE COMPARISON CHART

	2 in 1 with obedient sleeve		PV2 without obedient sleeve			
	ALB30691	**ALB30692**	**ALB30699**	**ALB30700**	**ALB30701**	**ALB30702**
Diameter (mm)	5.8 & 10	5.8 & 10	10.5	10.5	5.8	5.8
Length (mm)	450	900	450	900	450	900
Pixels	7400	7400	7400	7400	7400	7400
Available attachments:						
Mirror/bulb/magnet set	30706	30706	30705	30705	30706	30706
37mm camera coupler	30710	30710	30710	30710	30710	30710

3 IN 1 LIGHTED INSPECTION MIRROR

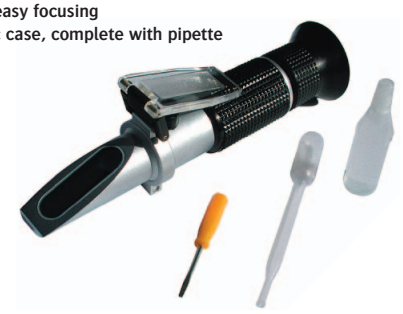
- 250mm flexible shaft
- Light floods inspection area
- Mirror size 25mm x 50mm

PART No. ALB30760

REFRACTOMETER

Automatic temperature compensation

- Tests antifreeze, battery acid and screenwash
- Adjustable eyepiece for easy focusing
- Supplied in sturdy plastic case, complete with pipette & pouch



PART No. ALB30551

REFRACTOMETER (PLASTIC TYPE)

- Tests antifreeze, battery acid and screen wash
- Supplied in sturdy plastic case
- Complete with pipette and pouch
- Adjustable eyepiece for easy focusing

PART No. ALB30608

3 IN 1 DIGITAL REFRACTOMETER

- Tests antifreeze, battery acid and screenwash
- Measurement shows within 1 second
- Automatic Temperature Compensation
- Supplied in handy pouch, pipette and calibration fluid
- Automatic switch-off
- Simple flip top mechanism

PART No. ALB30731

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MOT APPROVED TYRE DEPTH GAUGE

- Measurement range: 0 - 10mm (metric and imperial)
- Resolution: 0.01mm
- Accuracy: +/- 0.01mm
- Packaging: Sturdy plastic case
- Supplied with battery and spare

VOSA Vehicle & Operator Services Agency

PART No. ALB30658

DIGITAL TYRE DEPTH GAUGE AND BRAKE PAD GAUGE

- Measurement Range: 0 - 25mm (Metric & imperial)
- Resolution: 0.01mm
- Accuracy: 0.01mm
- Packaging: sturdy plastic case

PART No. ALB30586

LOW COST DIGITAL TYRE DEPTH GAUGE

- Self calibrating 2 in 1 Tyre Pressure & Tread Depth Gauge
- Auto Power off
- Tyre pressure range 2-100lbf/in², 0.15-7bar and 15-700kPa
- Tyre tread depth range 0 - 16mm

PART No. ALB30693

DIGITAL TYRE PRESSURE GAUGE

- Sturdy construction
- Peak and hold function
- Measuring Range: 5 - 100 PSI
- 0.4-6.80 Bar, 35-680KPa
- Accuracy (1%+/-1) 1PSI
- LCD backlit display
- Battery operated - (2 x 1.5Vbatteries included)

PART No. ALB30777

RADIO REMOVAL TOOL KIT

52 piece radio removal tool kit for all popular vehicles including Ford, VW, Audi, new VW Beetle, Mercedes, Peugeot, BMW etc.

PART No. ALB30730

RADIO REMOVAL TOOL KIT

18 piece radio removal tool kit for all popular vehicles including Ford, VW, Audi, new VW Beetle, Mercedes, Peugeot, BMW etc.

PART No. ALB30639

OIL FILTER CUP REMOVER SET 15 PIECE (ALUMINIUM)

- Constructed of heavy duty aluminium with extension bar & handles
- Magnetic pad in cup stops oil filter dropping out after removal
- Sizes range from 63mm - 100.5mm
- All adapters have 3/8" drive for ratchets

PART No. ALB30776

POWERBAR HAND IMPACT WRENCH

- Allows access to restricted under bonnet areas - where air impact wrenches won't fit
- Remove and replace harmonic balancer pulleys without removing the radiator
- Impact force "shocks" bolts loose
- No compressed air required
- Stop burning out starter motors
- High torque generated up to 813 newton-meters - dependent on force applied
- Ideal for automotive, industrial and home applications

PART No. ALB70865

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IMPACT BAR

- Length 475mm
- ½″ square drive
- 8 x torque multiplication
- Swivel head
- Time saving

PART No. ALB70864

1/2″ HEAVY DUTY IMPACT DRIVER

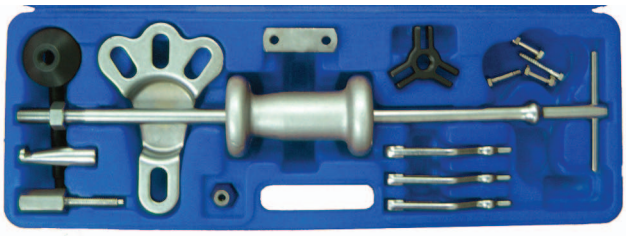
- Loosens hard-to-turn screws, bolts or nuts
- Handle design prevents possibility of hitting hand with hammer when striking impact driver
- Bit holder 3/8″ drive and 5/16″ hex for Phillips and flat screwdriver bits
- Includes eight screwdriver bits

Also available:
ALB30640
3/8″ HEAVY DUTY IMPACT BAR

PART No. ALB30619

SLIDE HAMMER PULLER SET

- High quality kit at excellent value



PART No. ALB30657

BLIND BEARING PULLER SET

- High quality professional kit with 1kg slide hammer
- 8 collets ranging from 8mm-30mm diameter
- Allows easy removal of tight bearings

PART No. ALB30675

FWD HUB BEARING KIT

- Universal kit to service most front wheel drive bearing kits
- Removes and installs wheel bearing
- Installs front hubs

- 9x Bearing adaptors 55.5 - 84mm
- 2x Cups 86 and 91mm
- 1x Spacer 38mm
- 1x Centre Shaft, Nut, and 3x Washers
- 1x Cup/Sleeve 76mm

Supplied in Blow Moulded Case

PART No. ALB70970

17 LITRE OIL DRAIN PAN

- Sturdy moulded plastic
- 17 litre capacity
- Handy spout for emptying

Also available in green for antifreeze ALB30752

PART No. ALB30751

DIESEL PRIMER

This tool is essential for re-introducing fuel into fuel pump after draining of fuel tank, or fitting new filter.

PART No. ALB30774

A/C FUEL LINE DISCONNECT TOOL

- Easily disconnects air conditioning lines and quick connect fuel lines
- Sizes include 1/4″, 5/16″, 3/8″, 1/2″, 5/8″ 3/4″, and 7/8″

PART No. ALB30654

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7 PCS HOSE CLAMP PLIERS KIT

- Kit containing the most popular hose clamp pliers and clamps
- Allows for extra reach, removal & locking of clamps into open position
- Allows for removal of plastic and/or metal self-tightening hose clamps with diameters of 11/16th - 2 ½" (18mm - 63.5mm)
- Precision clamp on end of flexible cable allows for extended reach where other models cannot reach
- Pliers can be locked
- Rubber dipped handle

ALB30635 Hose clamp (pictured in lid of case) available also as a separate item

PART No. ALB30631

SERPENTINE BELT TOOL

- Fits tensioner pulleys with 13mm-16mm, 18mm hex or 3/8" and 1/2" square drives
- For hard to access tensioners; there are 13mm and 15mm 12-point wrenches built into the handle
- 13mm, 14mm and 15mm crows foot wrenches also included

PART No. ALB30621

EXHAUST CUT OFF TOOL

- For cutting out of round pipes
- Four knife edged cutting wheels cut quickly and cleanly
- Can be operated with one hand
- Less than 1/3 turn cuts all the way around the pipe.
- Unique design allows tool to "shift" to make out-of-round cut
- Big 1 3/8" to 2 ½" (34.9 to 63.5mm) range.

ALB30572 Spare cutters (pack 4) for ALB30571

PART No. ALB30571

TAILPIPE STRETCHER

Stretches all pipes including stainless steel

- Use with an impact wrench to quickly stretch pipes
- Two collet sets fit pipes from 1 5/8" to 2 7/16"
- Can be used on the car
- The tailpipe stretcher is a convenient, inexpensive alternative to hydraulic pipe expanders

PART No. ALB30574

PIPE EXPANDER

- Removes clamp grooves and rounds out pipes
- Restores pipe to its original round state
- Fits 1 5/8" to 3 ¼" (60.3 to 82.5mm)

PART No. ALB30575

CV BOOT BAND PLIERS

For all ear-type clamps including GM FWD outboard CV joints.
Designed for use with a torque wrench as required for stainless steel bands

PART No. ALB30576

THREAD FILE

- Metric 0.75 - 3.00mm pitch

PART No. ALB30577

WRACK WRENCH

Use on steering racks to service inner tie rod ends

- Suits wrack ends with:
  Hex drive
  Round with two drive flats
  Round with no drive flats
- Suits wrack end diameters from 33mm (approx 1-5/16") to 41mm (approx 1-19/32")
- Manufactured from high grade steel
- 12.7mm (1/2") square drive
- Avoids need to remove wrack assembly
- Clamp force increases as load is applied
- Reduces repair time
- Prevents damage to wrack components

PART No. ALB70897

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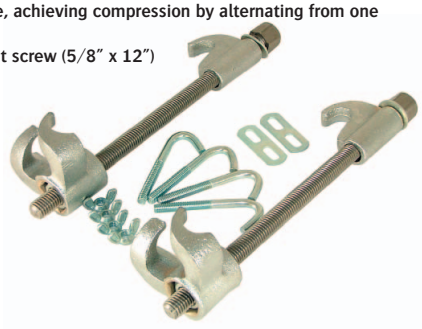
COIL SPRING COMPRESSOR

- Quickly and easily compresses most sizes of MacPherson strut springs
- Wide coil contact design and special latch to lock the coil in place
- Setup is fast and simple, achieving compression by alternating from one assembly to another
- Heat treated alloy thrust screw (5/8" x 12") with forged hooks



PART No. ALB30568

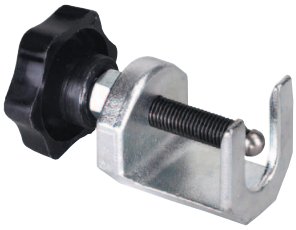
COIL SPRING COMPRESSOR WITH SAFETY HOOK

- Quickly and easily compresses most sizes of MacPherson strut springs
- Wide coil contact design and special latch to lock the coil in place
- Setup is fast and simple, achieving compression by alternating from one assembly to another
- Heat treated alloy thrust screw (5/8" x 12") with forged hooks

PART No. ALB30569

WINDSCREEN WIPER ARM REMOVER

- Removes wiper arms on many foreign and domestic cars and light trucks
- Will not damage wiper arm or hood cowling during removal
- Simply place puller feet under wiper arm and tighten forcing screw against wiper shaft



PART No. ALB30620

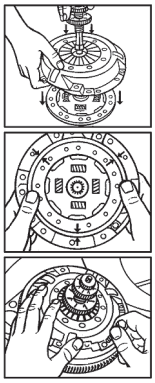
SNAP RING PLIERS

- Small-size pliers for work in restricted areas.
- Includes two internal snap ring pliers (one straight, one 45°) and two external snap ring pliers (one straight, one 45°) all with 1.0mm diameter tip
- Sturdy construction

PART No. ALB30610

CLUTCH ALIGNING TOOL

- Suits over 95% of cars and light commercial vehicles
- Ideal for front wheel drive vehicles and those without a pilot bearing
- Quick and easy to use
- One man operation - clutch and pressure plate assembled as one unit before fitting



PART No. ALB70058

HYDRAGAS SUSPENSION PUMP

Replacement Low Loss Connector Part No. ALB643

- Operates up to 1000psi
- Portable, robust and can be easily used for roadside repairs
- Fits all Hydrolastic/Hydragas Suspensions
- Low Loss Connector allows secure connection to vehicle with no loss of fluid/pressure during connection or disconnection
- Fast and efficient pressurising of vehicle systems
- Any air in the vehicle system can be easily removed by pressurising to the approximate trim height, then momentarily releasing the pressure into the pump reservoir
- Trim height chart included

PART No. ALB620

12 PIECE QUICK CHANGE PUNCH & CHISEL SET

Safety protected handle allows easy grip and protects hand from being hit by hammer

12 punches and chisels included

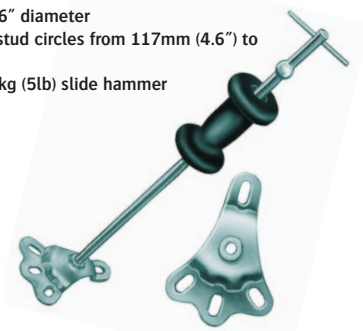
- 5 flat chisels: 1/2", 5/8", 3/4", 7/8" & 1" wide blades
- 1 cape chisel: 1/4" wide blade
- 2 taper punches: 1/8" & 1/4" diameter
- 2 pin punches: 3/16" & 1/4" diameter
- 2 centre punches: 1/8" & 3/16" diameter

Double locking ball detent holds punch or chisel securely in the driver handle

PART No. ALB30609

HUB PULLER

- Enables removal of flange-type rear axles from most vehicles and lightweight commercials
- Can be used on bolts up to 9/16" diameter
- Fits 4, 5 or 6 bolt patterns and stud circles from 117mm (4.6") to 141mm (5.5")
- Rear axle pulling plate with 2.5kg (5lb) slide hammer assembly



PART No. ALB30716

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WIPER ARM PULLER SET

- Comprehensive kit to cover wide range of vehicles and wiper types
- Removes rusted or corroded wiper arms
- Supplied with slide hammer, pressure spindle and pressure adapter

PART No. ALB30748

7 PIECE OXY SENSOR SET

- 1/2″ DR, 7/8″ DR, 1 1/16″ DR, 22, 27 & 29mm
- These sockets are used with Zirconia & Titania sensors
- With slots to enable sockets to be fitted over harness

PART No. ALB30749

AIR OPERATED EXHAUST FUME EXTRACTOR

This modern, portable, compact exhaust gas extractor is designed to operate in any size of workshop and is an ideal alternative to fixed, space consuming, expensive systems. Suitable for use on cars, vans, motorcycles, light commercial vehicles. It allows the garage mechanic to work on the vehicle with the engine running, without causing pollution to the air or contravening the current workshop regulations.

- The height and elevation is adjustable
- Designed to go anywhere, extractor is mounted on a robust metal stand with simple and easy to adjust height and suction settings
- The unit is powered by air
- Working pressure of 5-8 bar
- Unit supplied complete with total of 7.5M of ducting to take fumes outside

Also available ALB30848 dual pipes for fume extractor for use on motorbikes & other dual exhaust applications

PART No. ALB30664

5 PCE UPHOLSTERY REMOVER SET

- For plastic upholstery fasteners
- Can be used to safely remove wood and plastic pieces on door panels as well as dashboard without causing damage
- Large support area to protect clips and pads

PART No. ALB30696

DIGITAL TYRE DEPTH GAUGE

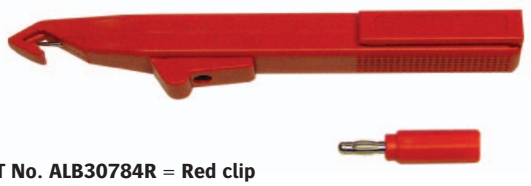
- Measurement range 0-27mm
- Metric & imperial readings
- Resolution 0.01mm
- Accuracy 0.02mm
- High impact plastic construction
- Blister packed
- Can also be used for pad wear.

PART No. ALB30782

HEAVY DUTY CLIP & ADAPTER

Probe for insulation piercing connection to cables with robust plastic moulding to withstand high temperatures.

- Protected tip to avoid shorting on earth
- Supplied with 4mm socket connection for standard multimeter cables.



PART No. ALB30784R = Red clip
PART No. ALB30784B = Black clip

6 PCE MINI PANEL REMOVER SET

- Specially designed slim profile tools for the finer jobs
- Special contours and unique features for effective and safe removal of fine or delicate bezels and fascia

PART No. ALB30799

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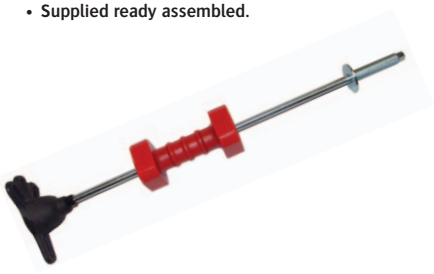
HUB PULLER WITH 5KG (10LB) HAMMER

- Enables removal of flange type rear axles from most vehicles and lightweight commercials.
- Can be used on bolts up to 12mm (½")
- Fits 4, 5 or 6 bolt patterns and stud circles from 90mm (3½") to 160mm (6¼")
- Rear axle pulling plate with 5kg (10lb) slide hammer.
- Knurled handle for enhanced gripping power
- Supplied ready assembled.



PART No. ALB30824

11 PC PANEL REMOVAL SET

- Each piece is designed with a unique shape for the delicate task of removing small or fine fascia trim and bezels from - Dashboards, Air vents, Door panels, Door locks, Electric seat controls, Seat levers, Central consoles, Etc.
- ade of impact resistant high quality nylon to minimise risk of marking or scratching

PART No. ALB30829

COIL SPRING COMPRESSOR KIT

- 1500kg (14800Nm) Maximum jaw loading, with a 2.75 safety factor
- Supplied with 3 pairs of drop-forged yokes (80-110mm dia, 88-160mm dia & 126-212mm dia)
- Safety yokes carefully shaped to prevent coil spring from bowing
- Suitable for use with air impact wrenches, or with 21mm combination spanner
- Applications: Alfa, Audi, BMW, Citroen, Daihatsu, Fiat, Ford, GM, Honda, Jaguar, Lada, Lancia, Mazda, Mitsubishi, Nissan, Peugeot, Porsche, Renault, Rover, Saab, Seat, Skoda, Subaru, Suzuki, Toyota, Volvo, VW

PART No. ALB30859

HEAVY DUTY PRY BAR SET

- Heavy duty angled shafts
- Made of Chrome Molybdenum steel with blackened finish
- Fitted with textured grip handle and hammer cap.

Set consists of -
6.2 x 200mm
8 x 300mm
11.1 x 460mm
11.1 x 610mm

PART No. ALB30860

MAGNETIC GLOVE DISPENSER

- Suitable for boxes of 50 or 100 disposable gloves
- Self adjusting springs to hold different sized boxes securely
- Four magnets hold the dispenser in place

PART No. ALB30873

CAR SEAT COVERS

Save money & help save the environment with these tough, re-useable seat covers

- Excellent quality
- Low cost & re-usable
- Easy "drop on" fit
- Machine washable
- Waterproof & dustproof
- Grease & Oil resistant
- Side impact airbag facility
- Made to "stay put" when in use

PART No. ALB30875

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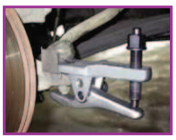
UNIVERSAL BALL JOINT EXTRACTOR

- Forged steel body
- Chemically blackened adjustment screw for corrosion resistance
- Fits most cars and light commercial vehicles
- Adjustable pivot point, allows max jaw opening 30 & 56mm
- Jaw opening 22mm



PART No. ALB30813

5PCS TIE ROD BALL JOINT SPLITTER SET

- Forks made of drop forged heavy-duty chrome vanadium steel
- 3 forged steel forks with inter changeable shafts for use with a hammer or air hammer
- Set includes:
  3 pcs ball joint splitters 11/16" (17.5mm), 15/16"(23.8mm) & 1-1/8"(28.6mm)
  1pc Driver
  1pc air hammer adaptor
  Blow moulded case for easy storage and transport

PART No. ALB30814

12PC AIRBAG REMOVAL TOOL

Automotive technicians are increasingly faced with the job of airbag removal and servicing. This must be carried out by trained professionals using the correct tools and equipment.

PART No. ALB30851

Item	Manufacturer	Model
1 Drivers Air Bag (x1)	Volkswagen	Passat, Jetta, Golf, Beetle, Bora
2 (x 2)	Volkswagen	Passat B5, Polo, Lupo
	Audi	A4 & A6
	Skoda	Superb
3 (x2)	Volkswagen	Golf F4, New Beetle
	Seat	
	Skoda	Fabia, Ocatvia
4 (x1)	Volkswagen	Golf 4
		Passat, Bora
5 (x1)	Volkswagen	Passat
6 T30 (x2)	Audi, Opel, Renault, VW	
	BMW, Mercedes, Opel	
6 T25 (x2)	BMW	
6 5mm Hex (x1)	Audi	

7PC AIRBAG REMOVAL TOOL

Similar to ALB30851 but containing only items 1, 2 (x2), 3 (x1), 4, 5, 6 (T30 x 2)

PART No. ALB30839

18 PC ALTERNATOR REPAIR SET

- Allows simple removal and installation of press-on type alternator pulleys: on or off the vehicle.
- Permits alternator shaft to be held during removal of the pulley retainer: can be used with hand tools or impact gun.
- Fits most alternators through interchangeable components including VW, Audi, Seat, Mercedes, Renault, BMW, Ford, Renault, Fiat etc.
- Supplied in a sturdy carry case

PART No. ALB30841

ALB30846 ADJUSTABLE (RH/LH) SUSPENSION ARM LEVER

In most cases, during disassembly & assembly of ball joints, for example, there is a need to pull down the suspension arm in order to pull the joint from the support. Tyre levers, hammers and other levers are often used to try this but these often damage other parts, or the mechanic injures himself when these levers slip

- This innovative new design with adjustable swing point allows RH & LH access & ensures no slippage or damage
- One man operation - saves time and money
- Designed to make the job faster & safer
- Makes suspension replacement easy
- Removes ball joints without damage
- Makes installation as easy as removal
- Can be used whilst vehicle is on the ground or on a ramp.

PART No. ALB30846

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FUEL INJECTION PRESSURE TEST KIT (EUROPEAN CARS)

- Gauge for dual readings of 0-145psi and 0 - 1000kpa
- Low pressure gauge for accurate reading below 15psi
- Features a quick coupling system for speedy and efficient testing
- Unique relief valve relieves the pressure and fuel safely

PART No. ALB30855

PETROL ENGINE COMPRESSION TEST KIT

Compression test on all petrol engines. Long flex hose and adaptors eliminate the need to remove secondary equipment such as power brakes, steering, air conditioning and manifold components. Kit includes extensions hoses, spark plug thread adaptors 10mm, 12mm, 14mm & 18mm, a self-sealing quick connect coupling for air connection & a long reach adaptor for V6 & 16V engines. Suitable for most petrol engine cars & light commercials

Large gauge with dual imperial/metric readings:
0-300psi and 0 to 21kg/cm2
Small gauge with dual imperial/metric reading
0-200psi and 0 - 14kg/cm2

Applications include Chrylser, Ford, GM, Mitsubishi, Nissan, Peugeot, Porsche, Subaru, Suzuki, Toyota, Jeep, Saturn, Audi, BMW, Daihatsu, Honda, Hyundai, Infiniti Isuzu, Jaguar, Kia, Land Rover, Lexus, Mazda, Mercedes

PART No. ALB30864

DIESEL ENGINE COMPRESSION TEST KIT

Simple to use comprehensive test kit for both direct & indirect diesel injected cars. Checks engine compression under cranking conditions. A compression test checks piston rings are running free in the ring grooves & are correctly expanded out against the cylinder bores. Will also check that the head gasket seal between head and cylinder bores does not leak, and that the valves are fully seated and sealed.

- Small profile, quick coupling adaptors for speed and security.
- Built in pressure relief valves enable repeat tests without dismantling.
- 35mm flexible hose gives access to restricted plug and injector ports.
- Dual scale gauge: 0-1000lb/IN2 and 0 - 70bar
- Includes 90° coupling adaptor for limited access applications

Applications: Audi, Citroen, Dacia, Daihatsu, Fiat, Ford, Isuzu, Lancia, Land Rover, Leyland/DAF, Mazda, Mercedes, Mitsubishi, Nissan, Peugeot, Renault, Rover, Seat, Toyota, Vauxhall/Opel(GM), Volvo, VW

PART No. ALB30865

OIL PRESSURE TEST KIT

- Simple to use comprehensive test kit, which helps to diagnose worn oil pumps, faulty oil pressure switches & warning indicators.
- A compression test checks piston rings are running free in the ring grooves & are correctly expanded out against the cylinder bores. Will also check that the head gasket seal between head and cylinder bores do not leak, and that the valves are fully seated and sealed.
- Large clear dual scaled gauge (0-10bar/0-140PSI)
- Quick coupling system, with shut off valve for safety

PART No. ALB30866

DIESEL ENGINE CYINDER LEAKAGE DETECTION SET

This type of diagnostic testing allows the technician to determine compression or cylinder head problem areas, than can normally be found with other compression test routines. When air is introduced at a constant rate to each cylinder in turn, the rate of loss of air is registered & noted. Higher losses indicate serious faults, and point of escape can help indicate possible problem areas.

- Large, Ø56mm, diagnostic gauge with rubber bumper and regulator.
- Straight and right angled quick connect fittings and an extensive range of glow plug and injector adaptors enable this kit to cover most popular cars and vans.
- Clamp-on injector adaptors enable this kit to cover a vast majority of car, van, truck and bus, agricultural and marine diesel engines.
- Additional glow plug adaptors enable this kit to also cover a wide range of car and van diesel engines
- Injector adaptors M20, M22, M24 & Ford Stanadyne Injectors
- Supplied in plastic case

Covers wide range of Alfa, BMW, Chrysler, Daewoo, Fiat, Ford, Hyundai, Isuzu, Land Rover, LDV, Mazda, Mercedes, Mitsubishi, Nissan, Opel, PSA, Renault, Saab, Suzuki, Toyota, VAG, Vauxhall, Volvo Diesel Engines

PART No. ALB30867

FLOW METER COMMON RAIL ADAPTER SET

- Designed to measure return fuel flow on diesel vehicles
- Can measure up to 6 injectors at the same time on systems fitted with common rail injection systems.
- Measures the return flow of the injector directly - checks the injector for correct operation or for damage
- With measurement bottles for long term, accurate evaluation and measurement tubes for short term test and measurement
- Our Master Set includes 24 piece injector adaptors - including Bosch, Siemens, Denso and Delphi, for comprehensive coverage

PART No. ALB30872

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NUT DRIVER PRO RANGE

Available in three sizes with 7mm hex, the Nut Driver Pro ensures faster and easier work in confined spaces, and is fully operable with just one hand, simply: engage, lock-on, work and disengage.

- ALB30815 - 7"/175mm
- ALB30816 - 10"/250mm
- ALB30831 - 20"/500mm

PART No. ALB30815
PART No. ALB30816
PART No. ALB30831

FLEXIBLE NUT DRIVER PRO

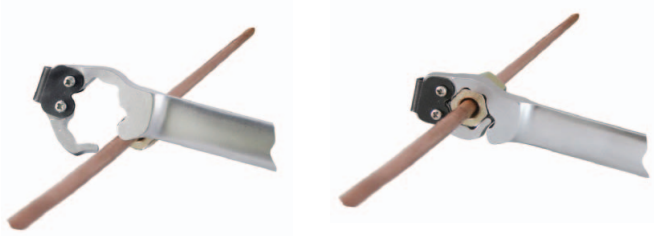
Flexi shaft with knurled locking ring to aid the loosening and tightening of hose clips. Textured handle for control & comfort grip.

330mm long, fully flexible shaft, (7mm hex), to allow one-handed operation in very confined spaces.

PART No. ALB30832

RATCHETING BRAKE PIPE NUT WRENCH (11mm)

- Unique patented ratcheting system for fast & easy removal of brake pipe nuts and inline nuts.
- Can be opened and closed to fit around the nut completely
- Does not require intact points on the nut - ideal for work on rounded, worn or even rusty nuts
- The more pressure exerted on the tool, the tighter the grip on the nut
- Only uses the flanks
- Fixed end & swivel end
- Made of chrome vanadium steel



PART No. ALB30840

THOR COPPER/COPPER HAMMER

Malleable Iron head fitted with Copper cylindrical faces combine to provide the weight for the blow while the copper faces prevent damage to expensive machined sub components and assemblies.

- Ideal where a heavy blow is required combined with a relatively small striking area.
- Faces designed to wear and can be replaced.
- Use as a general purpose soft faced hammer in automotive and general engineering for assembly, repair and maintenance.

PART No. ALB30868

THOR COPPER/RAWHIDE HAMMER

- Malleable Iron head fitted with one Rawhide and one Copper cylindrical face combine to provide the weight for the blow while the faces prevent damage to most items being struck.
- Ideal where a heavy blow is required combined with a relatively small striking area.
- Faces designed to wear and can be replaced.
- Use as a multi-purpose soft-faced hammer in engineering and automotive for assembly, repair and maintenance.

PART No. ALB30869

THORACE DEAD BLOW NYLON HAMMER

- Coated Die cast aluminium alloy head, rubber grip and nylon faces.
- The head is fitted with screw in white nylon faces or, for certain applications, brown polyurethane. Faces are colour coded and can easily be replaced by hand.
- A cavity inside the head is partially fitted with steel shot which adds to the weight, prevents rebound and delivers "dead" blows of maximum force.
- Use as a multi-purpose striking tool, ideal for sustained and effective blows without recoil

PART No. ALB30870

THOREX NYLON HAMMER

- Chrome plated zinc heads with nylon faces.
- Fitted as standard with screw in nylon faces and plastic handle.
- Alternative faces, colour coded to distinguish hardness also available.
- Faces are designed to wear and are replaceable by hand.
- Use (due to easily interchangeable heads), as a multi-purpose striking tool for assembly applications.

PART No. ALB30871

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IRWIN TOOLS

Irwin have been manufacturing superior quality tools since 1885. This comprehensive range is tried & trusted by trade professionals everywhere

For those who demand high performance plus superb quality, Irwin delivers tools that work harder, better & last longer. Trust Irwin for superior performance, durability & reliability.

VISE-GRIP WRENCHES

- Moulded ProTouch grips for added comfort & reduced hand fatigue
- Parallel jaws with smooth surfaces assist a secure grip and avoid scratches
- TUV/GS certified for optimal safety & high quality
- Scales in metric & imperial

10505486 - 6"/150mm Adjustable Wrench, Capacity 1"/ 25mm
10505488 - 8"/200mm Adjustable Wrench, Capacity 1-1/8"/ 28mm
10505490 - 10"/250mm Adjustable Wrench, Capacity 1- ¼"/ 31mm
10505492 - 12"/300mm Adjustable Wrench, Capacity 1- ½"/38mm

PART No. 10505486
PART No. 10505488
PART No. 10505490
PART No. 10505492

TURBOMAX 19 PC DRILL SET 1.0 - 10.00MM

- 19pce set contains - 10.00mm by 0.5mm
- Turbomax TM is designed primarily for high performance drilling in sheet metal. Also performs well in all types of wood and plastic.
- Suitable for drilling stainless steel

Warning:
Always use a coolant when drilling stainless steel

PART No. 10502233

HSS PRO 15 PC DRILL BIT SET

- 15pc set contains
  1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 8.0, 9.0, 10.0mm
- Universal 118° point shape for drilling a wide selection of materials
- Precision ground cutting edges for fast drilling and perfect finishing.
- Ground flute for maximum accuracy and fast chip removal
- Manufactured to DIN 338 standards

PART No. 10503989

HSS COBALT DRILL BIT SET 15PCS

- 15pce Pro Set contains
  1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 8.0, 9.0, 10.0mm.
- Perfect drilling for stainless steel.
- 135° split point grinding ensures perfect centring and reduced drilling pressure.
- High heat resistance and improved wear resistance
- 5% cobalt
- Manufactured to DIN338 standards

PART No. 10503990

HEAVY DUTY HACKSAW

- Heavy duty hacksaw frame able to reach over 125kg blade tension to ensure accurate cutting
- Soft-touch handle for a solid & slip-free grip
- Metal tensioning mechanism for a longer lasting tool
- Ergonomic metal frame for higher blade tension & mushroom pins to prevent blade being released when dropped.
- Jab-saw for sawing in confined places
- 90° - 180° blade mounting for sawing large objects
- Integral blade storage
- Bi-Metal technology blades for extended life

PART No. 10504407

MINI HACKSAW

- Jab-saw; ideal for sawing in confined or restricted areas
- Ergonomic handle for more comfortable sawing
- Durable metal frame for a longer lasting tool
- Bi-Metal technology blades for extended life

PART No. 10504408

MECHANICS GLOVES

- Better grip, long life reinforced thumb, palm and fingertips
- Convenient brow wipes - terry cloth inserts
- Secures easily - one hand strap adjustment
- Form-fitting, breathable stretch materials add to comfort
- Superior protection - knuckles padded with perforated Neoprene
- Straps stay closed - slick hook and lock fastener does not snag or collect debris

PART No. 10503828

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BOLT GRIP

- Save time removing rounded-off, rusted tight or painted-over bolts
- Universal unique design fits all type of fasteners - reduces stripping damage by driving the fastener on the sides instead of forcing the corners to turn
- Maximum gripping power: reverse spiral flutes designed to bite down
- Tougher than tool steel: high carbon steel ensures longer life and greater durability
- Works with most tools
- 3/8" square drive for use with hand ratchets, impact wrenches and air wrenches; hexagonal flats for use with flat wrench, pliers, adjustable wrench, sockets or VISE-GRIP locking pliers
- Grips both metric and imperial

10504634 5 piece base set
Set includes:
3/8", 7/16" (11mm), ½",
9/16" (14mm), 5/8" (16mm)

10504635 5 piece expansion
Set includes:
5/16" - 8mm, 10mm, 13mm, 11/16", ¾" - 19mm

T394100 Powergrip 7 piece set
Set includes:
3/16" - ½" (4.75mm - 12.7mm)

PART No. 10504634
PART No. 10504635
PART No. T394100

BOLT-GRIP BOLT EXTRACTOR SPECIALITY SET

- Save time removing rounded-off, rusted tight or painted-over bolts
- Universal unique design fits all type of fasteners - reduces stripping damage by driving the fastener on the sides instead of forcing the corners to turn
- Maximum gripping power: reverse spiral flutes designed to bite down
- Tougher than tool steel: high carbon steel ensures longer life and greater durability
- Works with most tools
- 3/8" square drive for use with hand ratchets, impact wrenches and air wrenches; hexagonal flats for use with flat wrench, pliers, adjustable wrench, sockets or VISE-GRIP locking pliers
- Grips both metric and imperial
- 5 piece set includes:
  ¾" (19mm), 13/16" (21mm) 7/8" (22mm), 15/16" (24mm), 1" (25mm)

PART No. T54125

PRO PLIERS SET

- VISE-GRIP pliers have induction hardened cutting edges which stay sharp longer
- Pliers feature machined jaws for maximum gripping strength
- Moulded ProTouch grips for added comfort & reduced hand fatigue
- TUV/GS certified for optimal safety & high quality
- 3 piece set comprises: 6"/150mm diagonal cutter, 8"/200mm long nose plier & 7"/180mm combination plier

PART No. 10505483

GROOVELOCK JOINT PLIERS

- Designed with twice the number of groove positions of traditional groove joint pliers to deliver optimal hand & jaw positioning - and giving a superior grip.
- Specially engineered, versatile, all-purpose jaw grips: round, hex, square & flat surfaces
- 16"/400mm Jaw Capacity 3 3/4"/95mm

Also available
10507195 Groovelock Joint Pliers
20"/510mm jaw capacity 4 1/2"/115mm

PART No. 10507194 (16")

GROOVELOCK JOINT PLIERS SET

Designed with twice the number of groove positions of traditional groove joint pliers to deliver optimal hand & jaw positioning - and giving a superior grip. Specially engineered, versatile, all-purpose jaw grips: round, hex, square & flat surfaces

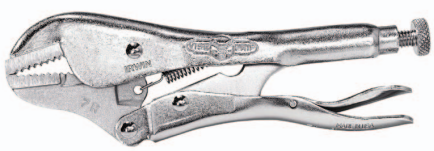
3 roll-set includes:
8/10/12" (200/250/300mm) pliers

PART No. 10505513

CURVED JAW LOCKING PLIERS WITH WIRE CUTTER

- Hex adjusting screw on the adjustment bolt gives an additional controlled release of the tool, allowing fine adjustment.
- Suitable for welding & other metal work applications
- Curved jaws provide a better fit when holding round stock
- Use as a non-slip pipe wrench, emergency handle, adding leverage to screwdriver force, or as a multi-purpose clamp.

10CR 10"/250mm Curved, Carded, Capacity 48mm



PART No. T1102EL4

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TOOL TOTE

- A tool bag designed like the traditional metal tool box, but lighter in weight and easier to carry.
- Wide top opening for easy access.
- Integral loops for blueprints or spirit level.

420mm x 210mm 250mm

TOOLS NOT INCLUDED

PART No. 10506532

XP RETRACTABLE KNIFE

- Extremely durable
- Single piece stainless steel nose that eliminates spreading and resists wear
- Quick blade release to enable blade replacement without opening the handle
- Easy tool-free entry (magnetic device holds blades securely in place)
- Storage for up to 5 blades
- Supplied with a BiMetal blade for extended life.

PART No. 10507404

FOLDING KNIFE

- High quality compact knife
- 45° quick change mechanism to increase both productivity and safety.
- Anchored belt clip
- Extended thumb ledge
- Wire stripper
- Supplied with 5 Bi Metal blades for longer life

PART No. 10507406

ORIGINAL RECORD VICE

Rigid & robust, the body & sliding jaw are cast from close grained grey iron which is CNC machined on all friction surfaces for a smooth reliable action Jaws, handle & main screw are steel, having a two-start rolled acme thread to speed the jaws from fully closed to fully open with a minimum of winding

- Top quality grey iron castings
- Fused steel handle will bend before the vice can be over-stressed
- Fully machined on all load bearing surfaces
- Safety stop prevents the slide from being separated from the body
- Unbreakable S.G. iron nut can be replaced when worn
- Batch tested on both body and slide castings
- 4″ (100mm)

PART no. 10507771

Also available 10507772 Swivel Base For Vice

QUICK ADJUSTING WRENCH

- Quick Adjusting jaw allows one-handed operation
- Cast aluminium - lightweight construction. 40% lighter than standard cast iron pipe wrench
- Ergonomic handle - ideal for heavy torque and maximum comfort
- Forged hook jaw - 58mm jaw capacity. Ideal for pipe diameters up to 38mm
- Broached teeth - ideal for most surfaces, including black, galvanised, PVC and copper pipe as well as nuts, bolts and couplings
- Size 58mm, capacity 3 - 58mm

PART No. 10503642

VISE GRIP 4 PIECE LOCKING PLIERS SET IN KITBAG

Ask for it by name!

- Release is controlled & can be operated with one hand
- Easier to open from any angle by simply pulling - no need to put pressure on trigger
- More finger room for larger hands & those who have to wear gloves
- No pinch points
- Hex adjusting screw allows fine adjustment & additional controlled tool release

Set includes:
10″/250mm Curved Jaw Locking Plier - capacity 48mm
7″/175mm Straight Jaw Locking Plier - capacity 29mm
6″/150mm Long Nose Locking Plier with Wire Cutter - capacity 51mm
5″/125mm Curved jaw Locking Plier with Wire cutter - capacity 29mm

The Original SINCE 1924™

PART No. T71

GEARWRENCH®

A selection of the top selling Gearwrench products appear on the following pages, the full Gearwrench catalogue is available separately, please contact us for your copy. To keep up to date with new Gearwrench products & to see online product demos on some of these products see **www.gearwrench.com**

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15 PC LONG PATTERN COMBINATION NON-RATCHETING WRENCH SET METRIC

Set comprises -

8 - 22mm Non-Ratcheting Combination Wrench

PART No. GW81902

3PC FULL POLISH RATCHET SET

Set consists of -

¼", 3/8" & ½" Drive

PART No. GW81206

3PC MIX RATCHET SET - CUSHION GRIP

Set includes -

¼, 3/8", & 3/8" Flexi-head

PART No. GW81203

21 PC SOCKET SET 3/8" DRIVE

Set consists of -
6pt Deep Metric Socket 10 - 18mm
12pt Std Metric Socket 10 - 19mm
3" extension
6" extension
Full Polish Teardrop Ratchet

PART No. GW80559

10PC SCREWDRIVER SET

Set contains:
#0 x 2 1/2", #1 x 3 " Pozidriv
#1 x 4", #3 x 5" Pozidriv with Hex Bolster
1/8" x 3", 3/16" x 4" Slotted with cabinet tip
¼" x 4 ", 5/6" x 6" Slotted with Hex Bolster
#1 x 3 Phillips
#2 x 4" Phillips with Hex Bolster

PART No. GW80060

4PC EXTRA LONG SCREWDRIVER SET

- 3/8" x 16" Slotted
- 3/6" x 10" Slotted with Cabinet Tip
- 3/8" x 12" Slotted with Rounded Keystone Tip
- #2 x 16" Phillips

PART No. GW80059

12 PC COMBINATION MINI SCREWDRIVER SET

Set comprises -

60mm Slotted - 1.5mm, 2.0mm, 2.5mm
60mm Phillips - #00, #0, #1
60mm Torx - T-5, T-6, T-7, T-8, T-9, T-10

PART No. GW80057

7 PC FLEX COMBINATION RATCHETING WRENCH SET METRIC

Set includes -

10mm, 12mm, 13mm, 14mm,15mm,17mm, 19mm Flex Ratcheting Wrench

PART No. GW9900

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7PC COMBINATION RATCHETING WRENCH SET METRIC

Set comprises -

8mm,10mm,12mm,13mm,14mm,15mm,18mm Combination Ratcheting Wrench

PART No. GW9417

40PC METRIC TAP & DIE SET

Set includes -
- Tap & Die Ratcheting 'T' Wrench
- Small & Medium Tap Adapters

PART No. GW3886

40 PC RATCHETING SCREWDRIVER SET

Set includes -

- GearDriver Handle (Red)
- GearDriver Stubby Handle (Red)
- GearDriver T-Handle (Red)
- 3½" & 6" x ¼" Magnetic Bit Shaft
- 3½" & 6"x ¼" Drive Socket Shaft
- 11" x ¼" Drive 180° Flex Bit Shaft
- 11" x ¼" Drive 180° Flex Socket Shaft
- Adapter for connecting Two ¼" shafts
- 30 pc Bits -

Hex Bit	3mm - 8mm
Hex Bit	1/8", 5/32", 3/16", 7/32", ¼", 5/16"
Phillips Bit	#0 , #1, #2, #3
Slotted Bit	4mm., 5.5mm, 6.5mm, 5/32", 7/32", ¼"
Torx Bit	T-8, T-10, T-15, T-20, T-25, T-27, T-30, T-40

PART No. GW8940

SERPENTINE BELT TOOL

Set includes -

- Long bar
- GearWrench ® Special Ratcheting Wrench 3/8"(9.53mm), 1/2"(12.7mm) and 3/4"(19.05mm) Adapter
- 13mm, 14mm, 15mm, 16mm, 17mm, 18mm & 19mm 6pt socket
- 13mm, 14mm & 15mm crowfoot

PART No. GW3680

UNIVERSAL MAGNETIC PARTS TRAY - RECTANGULAR

- Magnetic inside for securing of metal parts
- Adjustable to secure items in horizontal or vertical positions
- Magnet coated with rubber sleeve for surface protection
- Great for mounting on toolboxes

PART No. GW83115

INDEXING EXTENDABLE PRYBAR

- Extends from 450mm/18" to 740mm/29" - to fit in your toolbox
- 180° adjustable, indexible head = unique leverage
- 14 locking positions = unbeatable access

PART No. GW82220

3PC DOUBLE-X PLIERS SET

- Set comprises
- 13" Straight
- 12.75" 45 Degree
- 12.62" Duck Bill

PART No. GW82101

12 PC XL X-BEAM COMBINATION NON-RATCHTING WRENCH SET METRIC

- Set comprises
- 8 - 19mm X Beam Combination Wrench

PART No. GW81912

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29″ TO 48″ INDEXING EXTENDABLE PRY BAR

The new GearWrench pry bar extends from 24 to 48 inches and functions like a standard pry bar while offering indexing flexibility in the head and length.

The new 48-inch extendable pry bar, which can withstand more than 400 pounds of force, features a forged alloy head that is adjustable to 14 angles and rotates 180 degrees. Technicians and tool users in the automotive, construction, industrial and steel industries benefit from the lightweight tubular design and increased access in applications where lifting and shifting are required.

Extendable for greater access and leverage and collapses so you can store in your tool box.

Indexible to 180° for greater leverage

14 locking positions for unmatched access

PART No. GW82248

FLEX HANDLES 3/8″ & 1/2″ DRIVE

GW81221 Full Polish Flex Handle - 12″ x 3/8″ Drive
GW81307 Full Polish Flex Handle - 15″ x ½″ Drive
GW81308 Full Polish Flex Handle - 24″ x ½″ Drive

PART No. GW81221
PART No. GW81307
PART No. GW81308

ELECTRONIC TORQUE WRENCH

- Thin profile sealed teardrop ratchet head for better access, increased strength and improved dirt infiltration.
- Backlit LCD screen for easy reading of torque values enclosed in a a shock resistant housing
- Buzzer and Red, Yellow, Green lights to alert user when target torque is reached
- 60 tooth gear with 6° ratcheting arc
- +/- 2% CW, +/- 3% CCW from 20% to 100% of rated capacity
- Four simple button: Power (On/Off)
  Unit (Convert Units)
  Torque Target UP
  Torque Target DOWN

GW85070 3/8″ drive
10 - 110 ft/lbs
13.6 - 135.6Nm

Also available -
GW85071 ½″ drive
25 - 250 ft/lbs
33.9 - 339Nm

PART No. GW85070
PART No. GW85071

2PC CUSHION GRIP ROTO RATCHET SET

- Compression test on all petrol engines. Long flex hose and adaptors eliminate 6.5″ Ratchet ¼″ Drive
- 10″ Ratchet 3/8″ Drive
- Fine tooth - 72 teeth
- Dual Material Cushion Grip
- Head rotates 180 degrees
- Less than 5 degree swing arc for greater access in confined spaces

PART No. GW81223

7PC MAGNETIC OIL DRAIN PLUG SOCKET SET

- 13mm, 14mm, 15mm, 16mm, 17mm & 19mm Magnetic Oil Drain Plug Socket
- 3/8″ (20mm) GearRatchet Handle
- Magnetic core
- Surface Drive Technology
- Knurled "speed ring" provides quick removal and installation
- Anodized colour coded aluminium
- Fits most domestic and imported vehicles
- Fits 3/8″ Drive standard ratchet and GearRatchet handles
- Serrated edges provide added grip for those hard to reach fasteners

PART No. GW3870

ELECTRONIC TORQUE WRENCH

- Flexible tip can be used in the straight position to engage the fastener like a screwdriver for speed and then switched to 90 degrees for leverage in applying the specified torque value.
- Green light indicates power on
- Red light and buzzer signal specified torque has been reached.

GW85072 ¼″ Drive
12 to 120in/lb

PART No. GW85072

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MICROFLEX MIDNKNIGHT BLACK POWDER-FREE NITRILE GLOVES

- The best-selling glove in the USA available exclusively from Alba Diagnostics.
- Powder-free nitrile gloves manufactured from 40% more robust & resilient material than their nearest rival in Europe.
- This glove incorporates 50% more nitrile compound in its composition, for increased comfort.

For all automotive applications where latex cannot be used

PART No. ALB30804

MICROFLEX DIAMOND GRIP POWDER-FREE LATEX GLOVES

- The premier powder-free latex glove in the US available exclusively from Alba Diagnostics.
- 50% stronger and more resilient than its closest rival: reducing rips or tears when being pulled on.
- Reduced allergic reactions: Diamond grip contains only 7% of the proteins found in any other powdered rubber glove.
- A hard-working glove offering both quality & reliability.
- HSE guidelines state "If you must use latex, choose low-protein, powder-free gloves. Protein levels must be lower than 50mcg/g"
- Diamond Grip is only 30mcg/g

http://www.hse.gov.uk/latex/law.htm

ALB30711

MICROFLEX DURA FLOCK FLOCK-LINED NITRILE GLOVES

- 100% nitrile, latex-free glove
- Extremely comfortable to wear for extended periods, reducing hand-fatigue
- Exclusive ultra-thin moisture-absorbing flock lining keeps hands dry, comfortable & protected
- Fully textured for a firm reliable grip
- 25% thicker than standard disposable gloves

PART No. ALB30849

MICROFLEX SUPRENO POWDER-FREE BLUE NITRILE GLOVES

For automotive applications where consistent grip and reliability are required, and where specific chemicals are used.

The best combination of durability and security against day to day hazards Supreno offers strength & exceptional toughness in a comfortable nitrile glove.

PART No. ALB30838

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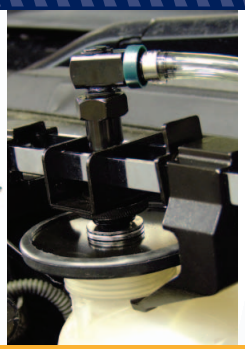
- Brakes
- Diagnostic
- Battery
- Cooling
- Oil & Air
- General
- Specialist
- Hand Tools
- Hand Protection



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